[redacted]

******SAFETY DATA SHEET******

1. PRODUCT INFORMATION	
1.1	**Product Name:** PULP RIOT DRY SHAMPOO – HARRIS WELLA ROOT SHOOT TYPE
1.2	**Product Identification:** 222-7B
1.3	**Recommended Use / Product Use:** Hair Care
1.4	[redacted]
1.5	[redacted]
1.6	[redacted]
1.7	[redacted]

2. HAZARDOUS INGREDIENT INFORMATION

SECTION 2.1

Classification: Extremely Flammable aerosol, Category 1 **Hazard Code: H223** **Signal Word: Danger** **Hazard Statement: Pressurized container: May burst if heated** **Symbol: Flame:**	**Precautionary Code: Precautionary Statements :** **P210: Keep Away From Heat/sparks/open flames/hot surfaces. No smoking.** **P211: Do not spray on an open flame or other ignition source.** **P251: Do not pierce or burn, even after use.** **P410: Protect from sunlight.** **P412: Do not expose to temperatures exceeding 50°C/122°F.**

- Aerosols with ≥ 85% flammable components *and* a heat of combustion of more than 30 kJ/g

2.2	HEALTH	ENVIRONMENTAL	PHYSICAL
	There is no data on the product itself = ND	There is no data on the product itself = ND	Pressurized Container: May Burst if Heated: H229

3. COMPOSITION/INFORMATION ON INGREDIENTS: ***Mixture*** / ***CBI***

NOTE: *For information on ingredients, the competent authority rules for CBI take priority over the rules for product identification.*

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards | SDS Revision: 1.0 | SDS Revision Date: 4/7/2017

1. PRODUCT & COMPANY IDENTIFICATION

1.1	Product Name:	**SIX**
1.2	Chemical Name:	NA
1.3	Synonyms:	Pulp Riot
1.4	Trade Names:	6 Vol. Cream Developer (1.8%)
1.5	Product Use:	Professional or Cosmetic Use Only
1.6	Distributor's Name:	[redacted]
1.7	Distributor's Address:	[redacted]
1.8	Emergency Phone:	**CHEMTEL: +1 (800) 255-3924 / +01-813-248-0585**
1.9	Business Phone / Fax:	[redacted]

2. HAZARDS IDENTIFICATION

2.1	Hazard Identification:	This product is classified as a HAZARDOUS SUBSTANCE but NOT as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). **WARNING! CAUSES SERIOUS EYE IRRITATION. CAUSES MILD SKIN IRRITATION.** Classification: Eye Irrit. 2; Skin Irrit. 3
2.2	Label Elements:	Hazard Statements (H): H319 – Causes serious eye irritation. H316 – Causes mild skin irritation. Precautionary Statements (P): P264 – Wash thoroughly after handling. P280 – Wear protective gloves and eye/face protection. P305+P351+P338 – IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 – If skin irritation occurs: Get medical advice/attention. P337+P313 – If eye irritation persists: Get medical advice/attention. P405 – Store locked up. P501 – Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).
2.3	Other Warnings:	Keep out of reach of children. Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy, If a severe allergic reaction should occur, immediately seek medical attention. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.

3. COMPOSITION & INGREDIENT INFORMATION

					EXPOSURE LIMITS IN AIR (mg/m³)								
					ACGIH		NOHSC			OSHA			
					ppm		ppm			ppm			
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	OTHER
AQUA (WATER/EAU)	7732-18-5	ZC0110000	231-791-2	75-90	NA	NA	NF	NF	NF	NA	NA	NA	
PARAFFINUM LIQUIDUM (MINERAL OIL)	8012-95-1	PY8030000	232-384-2	3-10	5	10	NF	5	NF	5	10	2500	MIST
	Asp. Tox. 1; H304												
DECYL OLEATE	3687-46-5	NA	222-981-6	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
CETYL ALCOHOL	36653-82-4	MM0225000	253-149-0	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
STEARYL ALCOHOL	112-92-5	RG2010000	204-017-6	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
HYDROGEN PEROXIDE	7722-84-1	MX0900000	231-765-0	1-3.3	(1.4)	NA	(1.4)	NF	NF	(1.4)	NA	75	
	Eye Irrit. 2; H319												
PEG-40 CASTOR OIL	61791-12-6	NA	NA	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
SODIUM CETEARYL SUFATE	59186-41-3	NA	NA	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
DISODIUM EDTA	139-33-3	NA	205-358-3	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
TETRASODIUM PYROPHOSPHATE	7722-88-5	UX7350000	231-767-1	< 1.0	5	NA	5	NF	NF	5	NA	NA	
	Eye Irrit. 2; H319												
ETIDRONIC ACID	2809-21-4	SZ8562100	220-552-8	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Met. Corr. 1; Acute Tox. 4; Eye Dam. 1; H290, H302, H318												
PHOSPHORIC ACID	7664-38-2	TB6300000	231-633-2	< 1.0	(1)	(3)	NF	NF	NF	NA	NA	1000	
	Skin Corr. 1B; H314												

4. FIRST AID MEASURES

4.1	First Aid:	Ingestion: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Eyes: Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Seek immediate medical attention. Skin: If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately. Inhalation: Remove victim to fresh air at once.
4.2	Effects of Exposure:	Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea. Eyes: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. Skin: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. Inhalation: None expected.
4.3	Symptoms of Overexposure:	Overexposure in eyes may cause severe damage, redness, itching and watering. Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.
4.4	Acute Health Effects:	Severe irritation to eyes. Symptoms of overexposure may include redness, itching, stinging, irritation and watering. Moderate irritation to skin near affected areas.
4.5	Chronic Health Effects:	No harmful or chronic health effects are expected to occur from a single accidental ingestion.
4.6	Target Organs:	Eyes, Skin, Respiratory System
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system).

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARDS	1
PROTECTIVE EQUIPMENT	B
EYES / SKIN	

5. FIREFIGHTING MEASURES

5.1	Fire & Explosion Hazards:	This product is not flammable.
5.2	Extinguishing Methods:	CO_2, Halon (if permitted), Dry Chemical, Foam, as authorized.
5.3	Firefighting Procedures:	As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

6. ACCIDENTAL RELEASE MEASURES

6.1	Spills:	Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (PPE). Keep incompatible materials (e.g., organics such as oil) away from spill. For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows). Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

7. HANDLING & STORAGE INFORMATION

7.1	Work & Hygiene Practices:	Do not eat, drink, or smoke while handling this product. Wash thoroughly after handling. Avoid contact with flammable or combustible materials. Avoid contamination from any source, including metals, dust and organic materials. Keep bulk covered. Wash unintentional residues with soap and warm water.
7.2	Storage & Handling:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat and open flames. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage.
7.3	Special Precautions:	Spilled material may present a slipping hazard if left unattended. Clean all spills promptly.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Exposure Limits: ppm (mg/m^3)

CHEMICAL NAME(S)	ACGIH TLV	ACGIH STEL	NOHSC ES-TWA	NOHSC ES-STEL	NOHSC ES-PEAK	OSHA PEL	OSHA STEL	OSHA IDLH	OTHER
PARAFFINUM LIQUIDUM (MINERAL OIL)	5	10	NF	5	NF	5	10	2500	MIST
HYDROGEN PEROXIDE	(1.4)	NA	(1.4)	NF	NF	(1.4)	NA	75	
TETRASODIUM PYROPHOSPHATE	5	NA	5	NF	NF	5	NA	NA	
PHOSPHORIC ACID	(1)	(3)	NF	NF	NF	NA	NA	1000	

8.2	Ventilation & Engineering Controls:	When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.	
8.3	Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.	
8.4	Eye Protection:	**AVOID EYE CONTACT DUE TO IRRITATION POTENTIAL.** Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling large quantities (e.g., ≥ 1 gallon (3.8 L)) of this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.	
8.5	Hand Protection:	**AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL**. If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.	
8.6	Body Protection:	**AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL**. However, no special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Appearance:	White free flowing lotion
9.2	Odor:	Characteristic
9.3	Odor Threshold:	NA
9.4	pH:	NA
9.5	Melting Point/Freezing Point:	NA
9.6	Initial Boiling Point/Boiling Range:	NA
9.7	Flashpoint:	NA
9.8	Upper/Lower Flammability Limits:	NA
9.9	Vapor Pressure:	NA
9.10	Vapor Density:	NA
9.11	Relative Density:	NA
9.12	Solubility:	Partial to complete
9.13	Partition Coefficient (log P_{ow}):	NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	NA
9.17	Other Information:	NA

10. STABILITY & REACTIVITY

10.1	Stability:	This product is stable.
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO_2) and sulfur (SO_2). Liberation of gas my result in dangerous pressure.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks and high heat, direct sunlight.
10.5	Incompatible Substances:	Store away from flammable liquids, flammable solids, aerosols and other incompatible materials (e.g., reducing materials, combustible materials, metal contamination like iron, copper their alloys). Avoid contamination. Do not store any tint, lightener lotion or bleach powder after it has been mixed with developer; the container may rupture. Never return unused material to original container. Avoid extreme heat and ignition sources.

11. TOXICOLOGICAL INFORMATION

11.1	Routes of Entry:	Inhalation:	YES	Absorption:	YES	Ingestion:	NO
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components, but is not presented in this document.					
11.3	Acute Toxicity:	See Section 4.4					
11.4	Chronic Toxicity:	See Section 4.5					
11.5	Suspected Carcinogen:	This product contains Hydrogen peroxide, listed as: ACGIH Group A3; IARC Group 3: Not classifiable as to it's carcinogenicity to humans. Paraffinum Liquidum (Mineral Oil) is listed as IARC Group 1.					
11.6	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.					
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.					
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.					
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.					
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.					
11.7	Irritancy of Product:	See Section 4.2					
11.8	Biological Exposure Indices:	NE					
11.9	Physician Recommendations:	Treat symptomatically.					

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability:	There are no specific data available for this product.
12.2	Effects on Plants & Animals:	There are no specific data available for this product.
12.3	Effects on Aquatic Life:	The product itself has not been tested as a whole. There are no specific data available for this product.

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal:	Dispose of in accordance with federal, state and local regulations.
13.2	Special Considerations:	NA

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

14.1	49 CFR (GND):	NOT REGULATED
14.2	IATA (AIR):	NOT REGULATED
14.3	IMDG (OCN):	NOT REGULATED
14.4	TDGR (Canadian GND):	NOT REGULATED
14.5	ADR/RID (EU):	NOT REGULATED
14.6	SCT (MEXICO):	NOT REGULATED
14.7	ADGR (AUS):	NOT REGULATED

15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements:	This product contains Phosphoric Acid, a substance subject to SARA Title III, Section 313 reporting requirements.
15.2	SARA TPQ:	There are no specific Threshold Planning Quantities for the components of this product.
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
15.4	CERCLA Reportable Quantity:	Phosphoric Acid: 5,000 lbs (2,270 kg)
15.5	Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR Subchapter G, (Cosmetics).
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List.
15.7	State Regulatory Information:	Paraffinum liquidum (mineral oil) is found on the following state criteria list: Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN) and Washington Permissible Exposures List (WA). Hydrogen Peroxide is found on the following state criteria list: FL, MA, MN, NJ, PA and WA. Etidronic Acid is found on the following state criteria list: NJ and PA. Phosphoric Acid is found on the following state criteria lists: FL, MA, MN, and PA. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).
15.8	Other Requirements:	NA

16. OTHER INFORMATION

16.1	Other Information:	**WARNING! CAUSES SERIOUS EYE IRRIATION. CAUSES MILD SKIN IRRITATION.** For external use only. Use only as directed. Discontinue use immediately if irritation develops Keep away from children. Keep container tightly closed in a cool place. When using do not eat or drink. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. If skin irritation occurs: Get medical advice/attention. If case of accident or if you feel unwell seek medical advice immediately (show the label where possible). **KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.** Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy, If a severe allergic reaction should occur, immediately seek medical attention. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & TU-K Industries, Inc.'s (2K Industries) knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.
16.4	Prepared for:	[redacted]
16.5	Prepared by:	**ShipMate, Inc.** P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
RTECS No.	Registry of Toxic Effects of Chemical Substances Number
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
IDLH	Immediately Dangerous to Life and Health
NOHSC	National Occupational Health and Safety Commission (Australia)
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	

G	
H	
I	
J	
K	
X	**Consult your supervisor or SOPs for special handling directions.**

Safety Glasses

Splash Goggles

Face Shield & Protective Eyewear

Gloves

Boots

Protective Apron

Protective Clothing & Full Suit

Dust Respirator

Full Face Respirator

Dust & Vapor Half-Mask Respirator

Full Face Respirator

Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

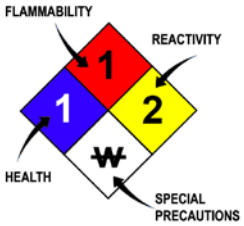
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:	
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD_{50}	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC_{50}	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD_{lo}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD_{lo}, LD_{lo}, & LD_o or TC, TC_o, LC_{lo}, & LC_o	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{OW} or log K_{OC}	Coefficient of Oil/Water Distribution

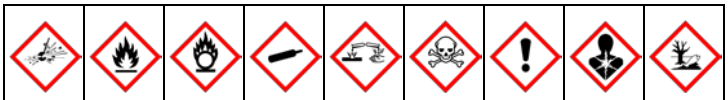
REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

CLP/GHS (1272/2008/EC) PICTOGRAMS:



GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards | SDS Revision: 1.0 | SDS Revision Date: 4/7/2017

1. PRODUCT & COMPANY IDENTIFICATION

1.1	Product Name:	**TEN**
1.2	Chemical Name:	NA
1.3	Synonyms:	Pulp Riot
1.4	Trade Names:	10 Vol. Cream Developer (3%)
1.5	Product Use:	Professional or Cosmetic Use Only
1.6	Distributor's Name:	[redacted]
1.7	Distributor's Address:	[redacted]
1.8	Emergency Phone:	**CHEMTEL: +1 (800) 255-3924 / +01-813-248-0585**
1.9	Business Phone / Fax:	[redacted]

2. HAZARDS IDENTIFICATION

2.1	Hazard Identification:	This product is classified as a HAZARDOUS SUBSTANCE but NOT as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). **WARNING! CAUSES SERIOUS EYE IRRITATION. CAUSES MILD SKIN IRRITATION.** Classification: Eye Irrit. 2; Skin Irrit. 3
2.2	Label Elements:	Hazard Statements (H): H319 – Causes serious eye irritation. H316 – Causes mild skin irritation. Precautionary Statements (P): P264 – Wash thoroughly after handling. P280 – Wear protective gloves and eye/face protection. P305+P351+P338 – IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 – If skin irritation occurs: Get medical advice/attention. P337+P313 – If eye irritation persists: Get medical advice/attention. P405 – Store locked up. P501 – Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).
2.3	Other Warnings:	Keep out of reach of children. Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy, If a severe allergic reaction should occur, immediately seek medical attention. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.

3. COMPOSITION & INGREDIENT INFORMATION

					EXPOSURE LIMITS IN AIR (mg/m³)								
					ACGIH		NOHSC			OSHA			
					ppm		ppm			ppm			
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	OTHER
AQUA (WATER/EAU)	7732-18-5	ZC0110000	231-791-2	75-90	NA	NA	NF	NF	NF	NA	NA	NA	
PARAFFINUM LIQUIDUM (MINERAL OIL)	8012-95-1	PY8030000	232-384-2	3-10	5	10	NF	5	NF	5	10	2500	MIST
	Asp. Tox. 1; H304												
DECYL OLEATE	3687-46-5	NA	222-981-6	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
CETYL ALCOHOL	36653-82-4	MM0225000	253-149-0	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
STEARYL ALCOHOL	112-92-5	RG2010000	204-017-6	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
HYDROGEN PEROXIDE	7722-84-1	MX0900000	231-765-0	1-3.3	(1.4)	NA	(1.4)	NF	NF	(1.4)	NA	75	
	Eye Irrit. 2; H319												
PEG-40 CASTOR OIL	61791-12-6	NA	NA	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
SODIUM CETEARYL SUFATE	59186-41-3	NA	NA	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
DISODIUM EDTA	139-33-3	NA	205-358-3	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
TETRASODIUM PYROPHOSPHATE	7722-88-5	UX7350000	231-767-1	< 1.0	5	NA	5	NF	NF	5	NA	NA	
	Eye Irrit. 2; H319												
ETIDRONIC ACID	2809-21-4	SZ8562100	220-552-8	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Met. Corr. 1; Acute Tox. 4; Eye Dam. 1; H290, H302, H318												
PHOSPHORIC ACID	7664-38-2	TB6300000	231-633-2	< 1.0	(1)	(3)	NF	NF	NF	NA	NA	1000	
	Skin Corr. 1B; H314												

4. FIRST AID MEASURES

4.1	First Aid:	Ingestion: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Eyes: Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Seek immediate medical attention. Skin: If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately. Inhalation: Remove victim to fresh air at once.
4.2	Effects of Exposure:	Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea. Eyes: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. Skin: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. Inhalation: None expected.
4.3	Symptoms of Overexposure:	Overexposure in eyes may cause severe damage, redness, itching and watering. Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.
4.4	Acute Health Effects:	Severe irritation to eyes. Symptoms of overexposure may include redness, itching, stinging, irritation and watering. Moderate irritation to skin near affected areas.
4.5	Chronic Health Effects:	No harmful or chronic health effects are expected to occur from a single accidental ingestion.
4.6	Target Organs:	Eyes, Skin, Respiratory System
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system).

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARDS	1
PROTECTIVE EQUIPMENT	B
EYES / SKIN	

5. FIREFIGHTING MEASURES

5.1	Fire & Explosion Hazards:	This product is not flammable.
5.2	Extinguishing Methods:	CO_2, Halon (if permitted), Dry Chemical, Foam, as authorized.
5.3	Firefighting Procedures:	As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

6. ACCIDENTAL RELEASE MEASURES

6.1	Spills:	Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (PPE). Keep incompatible materials (e.g., organics such as oil) away from spill. For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows). Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

7. HANDLING & STORAGE INFORMATION

7.1	Work & Hygiene Practices:	Do not eat, drink, or smoke while handling this product. Wash thoroughly after handling. Avoid contact with flammable or combustible materials. Avoid contamination from any source, including metals, dust and organic materials. Keep bulk covered. Wash unintentional residues with soap and warm water.
7.2	Storage & Handling:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat and open flames. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage.
7.3	Special Precautions:	Spilled material may present a slipping hazard if left unattended. Clean all spills promptly.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Exposure Limits: ppm (mg/m^3)

CHEMICAL NAME(S)	ACGIH TLV	ACGIH STEL	NOHSC ES-TWA	NOHSC ES-STEL	NOHSC ES-PEAK	OSHA PEL	OSHA STEL	OSHA IDLH	OTHER
PARAFFINUM LIQUIDUM (MINERAL OIL)	5	10	NF	5	NF	5	10	2500	MIST
HYDROGEN PEROXIDE	(1.4)	NA	(1.4)	NF	NF	(1.4)	NA	75	
TETRASODIUM PYROPHOSPHATE	5	NA	5	NF	NF	5	NA	NA	
PHOSPHORIC ACID	(1)	(3)	NF	NF	NF	NA	NA	1000	

8.2	Ventilation & Engineering Controls:	When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.	
8.3	Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.	
8.4	Eye Protection:	**AVOID EYE CONTACT DUE TO IRRITATION POTENTIAL.** Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling large quantities (e.g., ≥ 1 gallon (3.8 L)) of this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.	
8.5	Hand Protection:	**AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL**. If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.	
8.6	Body Protection:	**AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL**. However, no special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Appearance:	White free flowing lotion
9.2	Odor:	Characteristic
9.3	Odor Threshold:	NA
9.4	pH:	NA
9.5	Melting Point/Freezing Point:	NA
9.6	Initial Boiling Point/Boiling Range:	NA
9.7	Flashpoint:	NA
9.8	Upper/Lower Flammability Limits:	NA
9.9	Vapor Pressure:	NA
9.10	Vapor Density:	NA
9.11	Relative Density:	NA
9.12	Solubility:	Partial to complete
9.13	Partition Coefficient (log P_{ow}):	NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	NA
9.17	Other Information:	NA

10. STABILITY & REACTIVITY

10.1	Stability:	This product is stable.
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO_2) and sulfur (SO_2). Liberation of gas my result in dangerous pressure.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks and high heat, direct sunlight.
10.5	Incompatible Substances:	Store away from flammable liquids, flammable solids, aerosols and other incompatible materials (e.g., reducing materials, combustible materials, metal contamination like iron, copper their alloys). Avoid contamination. Do not store any tint, lightener lotion or bleach powder after it has been mixed with developer; the container may rupture. Never return unused material to original container. Avoid extreme heat and ignition sources.

11. TOXICOLOGICAL INFORMATION

11.1	Routes of Entry:	Inhalation:	YES	Absorption:	YES	Ingestion:	NO
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components, but is not presented in this document.					
11.3	Acute Toxicity:	See Section 4.4					
11.4	Chronic Toxicity:	See Section 4.5					
11.5	Suspected Carcinogen:	This product contains Hydrogen peroxide, listed as: ACGIH Group A3; IARC Group 3: Not classifiable as to it's carcinogenicity to humans. Paraffinum Liquidum (Mineral Oil) is listed as IARC Group 1.					
11.6	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.					
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.					
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.					
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.					
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.					
11.7	Irritancy of Product:	See Section 4.2					
11.8	Biological Exposure Indices:	NE					
11.9	Physician Recommendations:	Treat symptomatically.					

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability:	There are no specific data available for this product.
12.2	Effects on Plants & Animals:	There are no specific data available for this product.
12.3	Effects on Aquatic Life:	The product itself has not been tested as a whole. There are no specific data available for this product.

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal:	Dispose of in accordance with federal, state and local regulations.
13.2	Special Considerations:	NA

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

14.1	49 CFR (GND):	NOT REGULATED
14.2	IATA (AIR):	NOT REGULATED
14.3	IMDG (OCN):	NOT REGULATED
14.4	TDGR (Canadian GND):	NOT REGULATED
14.5	ADR/RID (EU):	NOT REGULATED
14.6	SCT (MEXICO):	NOT REGULATED
14.7	ADGR (AUS):	NOT REGULATED

15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements:	This product contains Phosphoric Acid, a substance subject to SARA Title III, Section 313 reporting requirements.
15.2	SARA TPQ:	There are no specific Threshold Planning Quantities for the components of this product.
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
15.4	CERCLA Reportable Quantity:	Phosphoric Acid: 5,000 lbs (2,270 kg)
15.5	Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR Subchapter G, (Cosmetics).
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List.
15.7	State Regulatory Information:	Paraffinum liquidum (mineral oil) is found on the following state criteria list: Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN) and Washington Permissible Exposures List (WA). Hydrogen Peroxide is found on the following state criteria list: FL, MA, MN, NJ, PA and WA. Etidronic Acid is found on the following state criteria list: NJ and PA. Phosphoric Acid is found on the following state criteria lists: FL, MA, MN, and PA. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).
15.8	Other Requirements:	NA

16. OTHER INFORMATION

16.1	Other Information:	**WARNING! CAUSES SERIOUS EYE IRRIATION. CAUSES MILD SKIN IRRITATION.** For external use only. Use only as directed. Discontinue use immediately if irritation develops Keep away from children. Keep container tightly closed in a cool place. When using do not eat or drink. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. If skin irritation occurs: Get medical advice/attention. If case of accident or if you feel unwell seek medical advice immediately (show the label where possible). **KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.** Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy, If a severe allergic reaction should occur, immediately seek medical attention. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & TU-K Industries, Inc.'s (2K Industries) knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.
16.4	Prepared for:	[redacted]
16.5	Prepared by:	**ShipMate, Inc.** P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
RTECS No.	Registry of Toxic Effects of Chemical Substances Number
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
IDLH	Immediately Dangerous to Life and Health
NOHSC	National Occupational Health and Safety Commission (Australia)
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	

G	
H	
I	
J	
K	
X	**Consult your supervisor or SOPs for special handling directions.**

Safety Glasses

Splash Goggles

Face Shield & Protective Eyewear

Gloves

Boots

Protective Apron

Protective Clothing & Full Suit

Dust Respirator

Full Face Respirator

Dust & Vapor Half-Mask Respirator

Full Face Respirator

Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

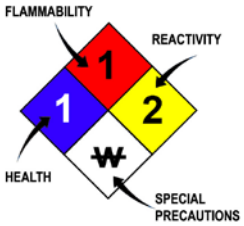
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:	
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD_{50}	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC_{50}	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD_{lo}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD_{lo}, LD_{lo}, & LD_o or TC, TC_o, LC_{lo}, & LC_o	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{OW} or log K_{OC}	Coefficient of Oil/Water Distribution

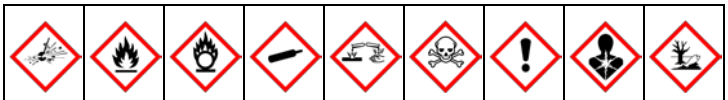
REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

CLP/GHS (1272/2008/EC) PICTOGRAMS:



GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards | SDS Revision: 1.0 | SDS Revision Date: 4/7/2017

1. PRODUCT & COMPANY IDENTIFICATION

1.1	Product Name:	**TWENTY**
1.2	Chemical Name:	NA
1.3	Synonyms:	Pulp Riot
1.4	Trade Names:	20 Vol. Cream Developer (6%)
1.5	Product Use:	Professional or Cosmetic Use Only
1.6	Distributor's Name:	[redacted]
1.7	Distributor's Address:	[redacted]
1.8	Emergency Phone:	**CHEMTEL: +1 (800) 255-3924 / +01-813-248-0585**
1.9	Business Phone / Fax:	[redacted]

2. HAZARDS IDENTIFICATION

2.1	Hazard Identification:	This product is classified as a HAZARDOUS SUBSTANCE but NOT as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). **WARNING! CAUSES SERIOUS EYE IRRITATION. CAUSES MILD SKIN IRRITATION.** Classification: Eye Irrit. 2; Skin Irrit. 3
2.2	Label Elements:	Hazard Statements (H): H319 – Causes serious eye irritation. H316 – Causes mild skin irritation. Precautionary Statements (P): P264 – Wash thoroughly after handling. P280 – Wear protective gloves and eye/face protection. P305+P351+P338 – IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 – If skin irritation occurs: Get medical advice/attention. P337+P313 – If eye irritation persists: Get medical advice/attention. P405 – Store locked up. P501 – Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).
2.3	Other Warnings:	Keep out of reach of children. Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy, If a severe allergic reaction should occur, immediately seek medical attention. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.

3. COMPOSITION & INGREDIENT INFORMATION

					EXPOSURE LIMITS IN AIR (mg/m³)								
					ACGIH		NOHSC			OSHA			
					ppm		ppm			ppm			
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	OTHER
AQUA (WATER/EAU)	7732-18-5	ZC0110000	231-791-2	75-90	NA	NA	NF	NF	NF	NA	NA	NA	
PARAFFINUM LIQUIDUM (MINERAL OIL)	8012-95-1	PY8030000	232-384-2	3-10	5	10	NF	5	NF	5	10	2500	MIST
	Asp. Tox. 1; H304												
HYDROGEN PEROXIDE	7722-84-1	MX0900000	231-765-0	5-6.3	(1.4)	NA	(1.4)	NF	NF	(1.4)	NA	75	
	Eye Irrit. 2; H319												
DECYL OLEATE	3687-46-5	NA	222-981-6	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
CETYL ALCOHOL	36653-82-4	MM0225000	253-149-0	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
STEARYL ALCOHOL	112-92-5	RG2010000	204-017-6	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
PEG-40 CASTOR OIL	61791-12-6	NA	NA	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
SODIUM CETEARYL SUFATE	59186-41-3	NA	NA	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
DISODIUM EDTA	139-33-3	NA	205-358-3	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
TETRASODIUM PYROPHOSPHATE	7722-88-5	UX7350000	231-767-1	< 1.0	5	NA	5	NF	NF	5	NA	NA	
	Eye Irrit. 2; H319												
ETIDRONIC ACID	2809-21-4	SZ8562100	220-552-8	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Met. Corr. 1; Acute Tox. 4; Eye Dam. 1; H290, H302, H318												
PHOSPHORIC ACID	7664-38-2	TB6300000	231-633-2	< 1.0	(1)	(3)	NF	NF	NF	NA	NA	1000	
	Skin Corr. 1B; H314												

4. FIRST AID MEASURES

4.1	First Aid:	Ingestion: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Eyes: Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Seek immediate medical attention. Skin: If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately. Inhalation: Remove victim to fresh air at once.
4.2	Effects of Exposure:	Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea. Eyes: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. Skin: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. Inhalation: None expected.
4.3	Symptoms of Overexposure:	Overexposure in eyes may cause severe damage, redness, itching and watering. Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.
4.4	Acute Health Effects:	Severe irritation to eyes. Symptoms of overexposure may include redness, itching, stinging, irritation and watering. Moderate irritation to skin near affected areas.
4.5	Chronic Health Effects:	No harmful or chronic health effects are expected to occur from a single accidental ingestion.
4.6	Target Organs:	Eyes, Skin, Respiratory System
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system).

HEALTH			1
FLAMMABILITY			0
PHYSICAL HAZARDS			1
PROTECTIVE EQUIPMENT			B
EYES	SKIN		

5. FIREFIGHTING MEASURES

5.1	Fire & Explosion Hazards:	This product is not flammable.
5.2	Extinguishing Methods:	CO_2, Halon (if permitted), Dry Chemical, Foam, as authorized.
5.3	Firefighting Procedures:	As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

6. ACCIDENTAL RELEASE MEASURES

6.1	Spills:	Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (PPE). Keep incompatible materials (e.g., organics such as oil) away from spill. For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows). Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

7. HANDLING & STORAGE INFORMATION

7.1	Work & Hygiene Practices:	Do not eat, drink, or smoke while handling this product. Wash thoroughly after handling. Avoid contact with flammable or combustible materials. Avoid contamination from any source, including metals, dust and organic materials. Keep bulk covered. Wash unintentional residues with soap and warm water.
7.2	Storage & Handling:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat and open flames. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage.
7.3	Special Precautions:	Spilled material may present a slipping hazard if left unattended. Clean all spills promptly.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Exposure Limits: ppm (mg/m^3)

CHEMICAL NAME(S)	ACGIH TLV	ACGIH STEL	NOHSC ES-TWA	NOHSC ES-STEL	NOHSC ES-PEAK	OSHA PEL	OSHA STEL	OSHA IDLH	OTHER
PARAFFINUM LIQUIDUM (MINERAL OIL)	5	10	NF	5	NF	5	10	2500	MIST
HYDROGEN PEROXIDE	(1.4)	NA	(1.4)	NF	NF	(1.4)	NA	75	
TETRASODIUM PYROPHOSPHATE	5	NA	5	NF	NF	5	NA	NA	
PHOSPHORIC ACID	(1)	(3)	NF	NF	NF	NA	NA	1000	

8.2	Ventilation & Engineering Controls:	When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.
8.3	Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.
8.4	Eye Protection:	**AVOID EYE CONTACT DUE TO IRRITATION POTENTIAL.** Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling large quantities (e.g., ≥ 1 gallon (3.8 L)) of this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.
8.5	Hand Protection:	**AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL**. If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.
8.6	Body Protection:	**AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL**. However, no special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Appearance:	White free flowing lotion
9.2	Odor:	Characteristic
9.3	Odor Threshold:	NA
9.4	pH:	NA
9.5	Melting Point/Freezing Point:	NA
9.6	Initial Boiling Point/Boiling Range:	NA
9.7	Flashpoint:	NA
9.8	Upper/Lower Flammability Limits:	NA
9.9	Vapor Pressure:	NA
9.10	Vapor Density:	NA
9.11	Relative Density:	NA
9.12	Solubility:	Partial to complete
9.13	Partition Coefficient (log P_{ow}):	NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	NA
9.17	Other Information:	NA

10. STABILITY & REACTIVITY

10.1	Stability:	This product is stable.
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO_2) and sulfur (SO_2). Liberation of gas my result in dangerous pressure.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks and high heat, direct sunlight.
10.5	Incompatible Substances:	Store away from flammable liquids, flammable solids, aerosols and other incompatible materials (e.g., reducing materials, combustible materials, metal contamination like iron, copper their alloys). Avoid contamination. Do not store any tint, lightener lotion or bleach powder after it has been mixed with developer; the container may rupture. Never return unused material to original container. Avoid extreme heat and ignition sources.

11. TOXICOLOGICAL INFORMATION

11.1	Routes of Entry:	Inhalation:	YES	Absorption:	YES	Ingestion:	NO
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components, but is not presented in this document.					
11.3	Acute Toxicity:	See Section 4.4					
11.4	Chronic Toxicity:	See Section 4.5					
11.5	Suspected Carcinogen:	This product contains Hydrogen Peroxide, listed as: ACGIH Group A3; IARC Group 3: Not classifiable as to it's carcinogenicity to humans. Paraffinum Liquidum (Mineral Oil) is listed as IARC Group 1.					
11.6	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.					
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.					
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.					
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.					
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.					
11.7	Irritancy of Product:	See Section 4.2					
11.8	Biological Exposure Indices:	NE					
11.9	Physician Recommendations:	Treat symptomatically.					

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability:	There are no specific data available for this product.
12.2	Effects on Plants & Animals:	There are no specific data available for this product.
12.3	Effects on Aquatic Life:	The product itself has not been tested as a whole. There are no specific data available for this product.

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal:	Dispose of in accordance with federal, state and local regulations.
13.2	Special Considerations:	NA

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

14.1	49 CFR (GND):	NOT REGULATED
14.2	IATA (AIR):	NOT REGULATED
14.3	IMDG (OCN):	NOT REGULATED
14.4	TDGR (Canadian GND):	NOT REGULATED
14.5	ADR/RID (EU):	NOT REGULATED
14.6	SCT (MEXICO):	NOT REGULATED
14.7	ADGR (AUS):	NOT REGULATED

15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements:	This product contains Phosphoric Acid, a substance subject to SARA Title III, Section 313 reporting requirements.
15.2	SARA TPQ:	There are no specific Threshold Planning Quantities for the components of this product.
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
15.4	CERCLA Reportable Quantity:	Phosphoric Acid: 5,000 lbs (2,270 kg)
15.5	Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR Subchapter G, (Cosmetics).
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List.
15.7	State Regulatory Information:	Paraffinum liquidum (mineral oil) is found on the following state criteria list: Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN) and Washington Permissible Exposures List (WA). Hydrogen Peroxide is found on the following state criteria list: FL, MA, MN, NJ, PA and WA. Etidronic Acid is found on the following state criteria list: NJ and PA. Phosphoric Acid is found on the following state criteria lists: FL, MA, MN, and PA. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).
15.8	Other Requirements:	NA

16. OTHER INFORMATION

16.1	Other Information:	**WARNING! CAUSES SERIOUS EYE IRRIATION. CAUSES MILD SKIN IRRITATION.** For external use only. Use only as directed. Discontinue use immediately if irritation develops Keep away from children. Keep container tightly closed in a cool place. When using do not eat or drink. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. If skin irritation occurs: Get medical advice/attention. If case of accident or if you feel unwell seek medical advice immediately (show the label where possible). **KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.** Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy, If a severe allergic reaction should occur, immediately seek medical attention. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & TU-K Industries, Inc.'s (2K Industries) knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.
16.4	Prepared for:	[redacted]
16.5	Prepared by:	**ShipMate, Inc.** P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
RTECS No.	Registry of Toxic Effects of Chemical Substances Number
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
IDLH	Immediately Dangerous to Life and Health
NOHSC	National Occupational Health and Safety Commission (Australia)
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	
G	
H	
I	
J	
K	
X	**Consult your supervisor or SOPs for special handling directions.**

Safety Glasses

Splash Goggles

Face Shield & Protective Eyewear

Gloves

Boots

Protective Apron

Protective Clothing & Full Suit

Dust Respirator

Full Face Respirator

Dust & Vapor Half-Mask Respirator

Full Face Respirator

Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

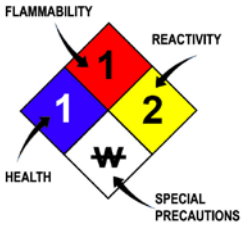
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:	
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD_{50}	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC_{50}	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD_{lo}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD_{lo}, LD_{lo}, & LD_o or TC, TC_o, LC_{lo}, & LC_o	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{OW} or log K_{OC}	Coefficient of Oil/Water Distribution

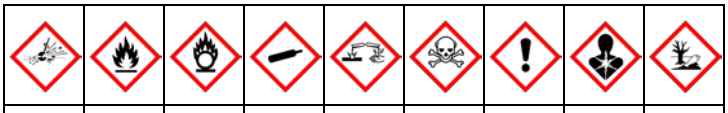
REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

CLP/GHS (1272/2008/EC) PICTOGRAMS:



GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

SAFETY DATA SHEET

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards | SDS Revision: 1.2 | SDS Revision Date: 9/8/2017

1. PRODUCT & COMPANY IDENTIFICATION

1.1	Product Name:	**PULPRIOT SEMI-PERMANENT HAIR COLOR – ALL SHADES**
1.2	Chemical Name:	NA
1.3	Synonyms:	PULPRIOT
1.4	Trade Names:	Pulpriot Semi-Permanent Hair Color – All Shades
1.5	Product Use:	Professional Use Only
1.6	Distributor's Name:	[redacted]
1.7	Distributor's Address:	[redacted]
1.8	Emergency Phone:	**CHEMTEL: +1 (800) 255-3924 / +1 (813) 248-0585**
1.9	Business Phone / Fax:	[redacted]

2. HAZARDS IDENTIFICATION

2.1	Hazard Identification:	This product is classified as a HAZARDOUS SUBSTANCE but NOT as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). **WARNING! CAUSES SERIOUS EYE IRRITATION. CAUSES MILD SKIN IRRITATION.** Classification: Eye Irrit. 2; Skin Irrit. 3
2.2	Label Elements:	Hazard Statements (H): H319 – Causes serious eye irritation. H314 – Causes mild skin irritation. Precautionary Statements (P): P264 – Wash thoroughly after handling. P280 – Wear protective gloves and eye/face protection. P305+P351+P338 – IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 – If skin irritation occurs: Get medical advice/attention. P337+P313 – If eye irritation persists: Get medical advice/attention. P405 – Store locked up. P501 – Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).
2.3	Other Warnings:	**KEEP LOCKED UP AND OUT OF REACH OF CHILDREN**. Preliminary patch testing is recommended. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.

3. COMPOSITION & INGREDIENT INFORMATION

					EXPOSURE LIMITS IN AIR (mg/m^3)								
					ACGIH		NOHSC			OSHA			
					ppm		ppm			ppm			
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	OTHER
WATER (AQUA/EAU)	7732-18-5	ZC0110000	231-791-2	60-100	NA	NA	NF	NF	NF	NA	NA	NA	
CETYL ALCOHOL	36653-82-4	MM0225000	253-149-0	3-13	NA	NA	NF	NF	NF	NA	NA	NA	
STEARALKONIUM CHLORIDE	122-19-0	NA	204-527-9	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
GLYCERIN	56-81-5	MA8050000	200-289-5	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
PROPYLENE GLYCOL	57-55-6	TY2000000	200-338-0	1-5	NA	NA	150	474	NF	NA	NA	NA	
GLYCERYL STEARATE	31566-31-1	RG19250000	250-705-4	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
PEG-100 STEARATE	9004-99-3	MD0907300	NA	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
GUAR HYDROXYPROPYL TRIMONIUM CHLORIDE	65497-29-2	NA	NA	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA	
STEARYL ALCOHOL	112-92-5	RG2010000	204-017-6	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA	
CETEARETH-20	68439-49-6	NA	NA	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA	
QUATERNIUM-75	NA	NA`	NA	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA	
	Eye Irrit. 2; H319												
FRAGRANCE (PARFUM)	NA	NA	NA	0-0.5	NA	NA	NF	NF	NF	NA	NA	NA	
HYDROLYZED QUINOA	227025-12-9	NA	309-353-8	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	
TETRASODIUM EDTA	64-02-8	NA	200-573-9	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	
	Acute Tox. 4 *; Eye Dam. 1; H302, H318												
CITRIC ACID	77-92-9	GE7350000	201-069-1	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	
METHYLCHLOROISOTHIAZOLINONE	26172-55-4	NX8157080	247-500-7	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
METHYLISOTHIAZOLINONE	2682-20-4	FE1250000	220-239-6	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN

3. COMPOSITION & INGREDIENT INFORMATION – cont'd

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m^3) ACGIH ppm TLV	ACGIH ppm STEL	NOHSC ppm ES-TWA	NOHSC ppm ES-STEL	NOHSC ppm ES-PEAK	OSHA ppm PEL	OSHA ppm STEL	OSHA ppm IDLH	OTHER
MAY ALSO CONTAIN:													
CI 51004 (BASIC BLUE 3)	47367-75-9	NA	251-403-5	0.-0.5	NA	NA	NF	NF	NF	NA	NA	NA	
CI 42595 (BASIC BLUE 7)	2390-60-5	NA	219-232-0	0.-0.5	NA	NA	NF	NF	NF	NA	NA	NA	
BASIC ORANGE 31	97404-02-9	NA	306-764-4	0.-0.5	NA	NA	NF	NF	NF	NA	NA	NA	
BASIC RED 22	12221-52-2	NA	NA	0.-0.5	NA	NA	NF	NF	NF	NA	NA	NA	
BASIC RED 51	77061-58-6	NA	278-601-4	0.-0.5	NA	NA	NF	NF	NF	NA	NA	NA	
CI 42520 (BASIC VIOLET 2)	3248-91-7	NA	221-831-7	0.-0.5	NA	NA	NF	NF	NF	NA	NA	NA	
CI 42536 (BASIC VIOLET 13)	81-48-1	NA	201-353-5	0.-0.5	NA	NA	NF	NF	NF	NA	NA	NA	
BASIC YELLOW 29	NA	NA	NA	0.-0.5	NA	NA	NF	NF	NF	NA	NA	NA	
BASIC YELLOW 40	29556-33-0	NA	249-694-9	0.-0.5	10	NA	10	NF	NF	10	NA	NA	RESP DUST
BASIC YELLOW 87	68259-00-7	NA	269-503-2	0.-0.5	NA	NA	NF	NF	NF	NA	NA	NA	
CI 60730 (EXT VIOLET 2)	4430-18-6	NA	224-618-7	0.-0.5	NA	NA	NF	NF	NF	NA	NA	NA	
CI 56059 (BASIC BLUE 99)	68123-13-7	NA	268-544-3	0.-0.5	NA	NA	NF	NF	NF	NA	NA	NA	
HC BLUE 15	147-14-8	NA	205-685-1	0.-0.5	NA	NA	NF	NF	NF	NA	NA	NA	
CI 12250 (BASIC BROWN 16)	26381-41-9	NA	247-640-9	0.-0.5	NA	NA	NF	NF	NF	NA	NA	NA	
BASIC RED 14	65122-06-7	NA	NA	0.-0.5	NA	NA	NF	NF	NF	NA	NA	NA	
CI 11320 (BASIC ORANGE 1)	4438-16-8	NA	224-654-3	0.-0.5	NA	NA	NF	NF	NF	NA	NA	NA	
CI 50240 (BASIC RED 2)	477-73-6	NA	207-518-8	0.-0.5	NA	NA	NF	NF	NF	NA	NA	NA	
CI 12251 (BASIC BROWN 17)	68391-32-2	NA	269-944-0	0.-0.5	NA	NA	NF	NF	NF	NA	NA	NA	

4. FIRST AID MEASURES

4.1	First Aid:	Ingestion: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Eyes: Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Seek immediate medical attention. Skin: If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately. Inhalation: Remove victim to fresh air at once.
4.2	Effects of Exposure:	Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea. Eyes: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. Skin: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. Inhalation: None expected.
4.3	Symptoms of Overexposure:	Overexposure in eyes may cause redness, itching and watering. Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.
4.4	Acute Health Effects:	Moderate irritation to eyes. Moderate irritation to skin near affected areas.

4. FIRST AID MEASURES – cont'd

4.5	Chronic Health Effects:	No harmful or chronic health effects are expected to occur from a single accidental ingestion.
4.6	Target Organs:	Eyes, Skin
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin).

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARDS	0
PROTECTIVE EQUIPMENT	B
EYES / SKIN	

5. FIREFIGHTING MEASURES

5.1	Fire & Explosion Hazards:	This product is non-flammable. When exposed to high temperatures, may produce hazardous decomposition products such as oxides of carbon (e.g., CO, CO_2) and nitrogen (e.g., NO_x) and smoke.
5.2	Extinguishing Methods:	Water, Foam, CO_2, Dry Chemical
5.3	Firefighting Procedures:	As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

6. ACCIDENTAL RELEASE MEASURES

6.1	Spills:	Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (PPE). For small spills (e.g., < 1 gallon (3.8 L)) or large spills (e.g., ≥ 1 gallon (3.8 L)), wear appropriate personal protective equipment (e.g., goggles, gloves). Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.

7. HANDLING & STORAGE INFORMATION

7.1	Work & Hygiene Practices:	Do not eat, drink, or smoke while handling this product.
7.2	Storage & Handling:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat and open flames. Avoid contamination. Do not store any tint, lightener lotion or bleach powder after it has been mixed with developer; the container may rupture. Never return unused material to original container. Avoid extreme heat and ignition sources.
7.3	Special Precautions:	Spilled material may present a slipping hazard if left unattended. Clean all spills promptly.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Exposure Limits: ppm (mg/m^3)

	ACGIH		NOHSC			OSHA			OTHER
CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
PROPYLENE GLYCOL	NA	NA	150	474	NF	NA	NA	NA	
METHYLCHLOROISOTHIAZOLINONE	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
METHYLISOTHIAZOLINONE	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
BASIC YELLOW 40	10	NA	10	NF	NF	10	NA	NA	RESP DUST

8.2	Ventilation & Engineering Controls:	When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.
8.3	Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.
8.4	Eye Protection:	**AVOID EYE CONTACT DUE TO IRRITATION POTENTIAL.** Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling large quantities (e.g., ≥ 1 gallon (3.8 L)) of this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.
8.5	Hand Protection:	If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.
8.6	Body Protection:	No special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Appearance:	Off white to brightly colored liquid
9.2	Odor:	Characteristic
9.3	Odor Threshold:	NA
9.4	pH:	NA
9.5	Melting Point/Freezing Point:	NA
9.6	Initial Boiling Point/Boiling Range:	NA
9.7	Flashpoint:	NA
9.8	Upper/Lower Flammability Limits:	NA
9.9	Vapor Pressure:	NA
9.10	Vapor Density:	NA
9.11	Relative Density:	NA
9.12	Solubility:	Partial to complete
9.13	Partition Coefficient (log P_{ow}):	NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	NA
9.17	Other Information:	NA

10. STABILITY & REACTIVITY

10.1	Stability:	This product is stable.
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO_2) and sulfur (SO_2). Liberation of gas my result in dangerous pressure.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks and high heat, direct sunlight.
10.5	Incompatible Substances:	Store away from flammable liquids, flammable solids, aerosols and other incompatible materials (e.g., reducing materials, combustible materials, metal contamination like iron, copper their alloys). Avoid contamination. Do not store any tint, lightener lotion or bleach powder after it has been mixed with developer; the container may rupture. Never return unused material to original container. Avoid extreme heat and ignition sources.

11. TOXICOLOGICAL INFORMATION

11.1	Routes of Entry:	Inhalation:	YES	Absorption:	YES	Ingestion:	NO
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components, but is not presented in this document.					
11.3	Acute Toxicity:	See Section 4.4					
11.4	Chronic Toxicity:	See Section 4.5					
11.5	Suspected Carcinogen:	This product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. For more information go to www.P65Warnings.ca.gov.					
11.6	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.					
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.					
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.					
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.					
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.					
11.7	Irritancy of Product:	See Section 4.3					
11.8	Biological Exposure Indices:	NE					
11.9	Physician Recommendations:	Treat symptomatically.					

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability:	There are no specific data available for this product.
12.2	Effects on Plants & Animals:	There are no specific data available for this product.
12.3	Effects on Aquatic Life:	The product itself has not been tested as a whole. There are no specific data available for this product.

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal:	Dispose of in accordance with federal, state and local regulations.
13.2	Special Considerations:	NA

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

14.1	49 CFR (GND):	NOT REGULATED
14.2	IATA (AIR):	NOT REGULATED
14.3	IMDG (OCN):	NOT REGULATED
14.4	TDGR (Canadian GND):	NOT REGULATED
14.5	ADR/RID (EU):	NOT REGULATED
14.6	SCT (MEXICO):	NOT REGULATED
14.7	ADGR (AUS):	NOT REGULATED

15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements:	This product does not contain any substances subject to SARA Title III, section 313 reporting requirements
15.2	SARA TPQ:	There are no specific Threshold Planning Quantities for the components of this product.
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
15.4	CERCLA Reportable Quantity:	NA
15.5	Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics). This material does not contain any hazardous air pollutants. None of the components in this product are listed as priority pollutants under the CWA. None of the components in this product are listed as toxic pollutants under the CWA.
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. WHMIS D2B (Other Toxic Effects).
15.7	State Regulatory Information:	No ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI). This product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. For more information go to www.P65Warnings.ca.gov
15.8	Other Requirements:	NA

16. OTHER INFORMATION

16.1	Other Information:	**WARNING! CAUSES SERIOUS EYE IRRIATION. CAUSES MILD SKIN IRRITATION.** For external use only. Use only as directed. Discontinue use immediately if irritation develops Keep away from children. Keep container tightly closed in a cool place. When using do not eat or drink. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. If skin irritation occurs: Get medical advice/attention. If case of accident or if you feel unwell seek medical advice immediately (show the label where possible). **KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.** Preliminary patch testing is recommended. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & TU-K Industries, Inc.'s (2K Industries) knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.
16.4	Prepared for:	[redacted]
16.5	Prepared by:	**ShipMate, Inc.** P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
RTECS No.	Registry of Toxic Effects of Chemical Substances Number
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
IDLH	Immediately Dangerous to Life and Health
NOHSC	National Occupational Health and Safety Commission (Australia)
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	
G	
H	
I	
J	
K	
X	**Consult your supervisor or SOPs for special handling directions.**

Safety Glasses

Splash Goggles

Face Shield & Protective Eyewear

Gloves

Boots

Protective Apron

Protective Clothing & Full Suit

Dust Respirator

Full Face Respirator

Dust & Vapor Half-Mask Respirator

Full Face Respirator

Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

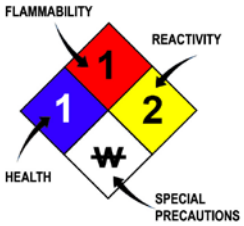
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:	
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD_{50}	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC_{50}	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD_{lo}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD_{lo}, LD_{lo}, & LD_o or TC, TC_o, LC_{lo}, & LC_o	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{OW} or log K_{OC}	Coefficient of Oil/Water Distribution

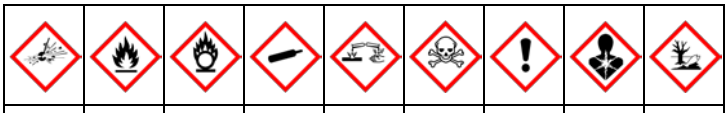
REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

CLP/GHS (1272/2008/EC) PICTOGRAMS:



GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards | SDS Revision: 1.0 | SDS Revision Date: 4/7/2017

1. PRODUCT & COMPANY IDENTIFICATION

1.1	Product Name:	**THIRTY**
1.2	Chemical Name:	NA
1.3	Synonyms:	30 Vol. Cream Developer (9%)
1.4	Trade Names:	Pulp Riot
1.5	Product Use:	Professional Use Only
1.6	Distributor's Name:	[redacted]
1.7	Distributor's Address:	[redacted]
1.8	Emergency Phone:	**CHEMTEL: +1 (800) 255-3924 / +01-813-248-0585**
1.9	Business Phone / Fax:	[redacted]

2. HAZARDS IDENTIFICATION

2.1	Hazard Identification:	This product is classified as a HAZARDOUS SUBSTANCE but NOT as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). **DANGER! HARMFUL IF SWALLOWED. CAUSES SERIOUS EYE DAMAGE.** Classification: Eye Irrit. 2; Acute Oral 4
2.2	Label Elements:	Hazard Statements (H): H302 – Harmful if swallowed. H318 – Causes serious eye damage. Precautionary Statements (P): P264 – Wash thoroughly after handling. P280 – Wear protective gloves and eye/face protection. P305+P351+P338 – IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. P310 – Immediately call a poison center/doctor. P405 – Store locked up. P501 – Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).
2.3	Other Warnings:	Keep out of reach of children. Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy, If a severe allergic reaction should occur, immediately seek medical attention. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.

3. COMPOSITION & INGREDIENT INFORMATION

					EXPOSURE LIMITS IN AIR (mg/m^3)								
					ACGIH		NOHSC			OSHA			
					ppm		ppm			ppm			
CHEMICAL NAME(S)	**CAS No.**	**RTECS No.**	**EINECS No.**	**%**	**TLV**	**STEL**	**ES-TWA**	**ES-STEL**	**ES-PEAK**	**PEL**	**STEL**	**IDLH**	**OTHER**
AQUA (WATER/EAU)	7732-18-5	ZC0110000	231-791-2	75-90	NA	NA	NF	NF	NF	NA	NA	NA	
HYDROGEN PEROXIDE	7722-84-1	MX0900000	231-765-0	8.7-9.3	(1.4)	NA	(1.4)	NF	NF	(1.4)	NA	75	
	Eye Irrit. 2; H319												
PARAFFINUM LIQUIDUM (MINERAL OIL)	8012-95-1	PY8030000	232-384-2	3-10	5	10	NF	5	NF	5	10	2500	MIST
	Asp. Tox. 1; H304												
DECYL OLEATE	3687-46-5	NA	222-981-6	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
CETYL ALCOHOL	36653-82-4	MM0225000	253-149-0	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
STEARYL ALCOHOL	112-92-5	RG2010000	204-017-6	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
PEG-40 CASTOR OIL	61791-12-6	NA	NA	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
SODIUM CETEARYL SUFATE	59186-41-3	NA	NA	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
DISODIUM EDTA	139-33-3	NA	205-358-3	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
TETRASODIUM PYROPHOSPHATE	7722-88-5	UX7350000	231-767-1	< 1.0	5	NA	5	NF	NF	5	NA	NA	
	Eye Irrit. 2; H319												
ETIDRONIC ACID	2809-21-4	SZ8562100	220-552-8	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Met. Corr. 1; Acute Tox. 4; Eye Dam. 1; H290, H302, H318												
PHOSPHORIC ACID	7664-38-2	TB6300000	231-633-2	< 1.0	(1)	(3)	NF	NF	NF	NA	NA	1000	
	Skin Corr. 1B; H314												

4. FIRST AID MEASURES

4.1	First Aid:	Ingestion: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Eyes: Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Seek immediate medical attention. Skin: If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately. Inhalation: Remove victim to fresh air at once.
4.2	Effects of Exposure:	Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea. Eyes: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. Skin: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. Inhalation: None expected.
4.3	Symptoms of Overexposure:	Overexposure in eyes may cause severe damage, redness, itching and watering. Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.
4.4	Acute Health Effects:	Severe irritation to eyes. Symptoms of overexposure may include redness, itching, stinging, irritation and watering. Moderate irritation to skin near affected areas.
4.5	Chronic Health Effects:	These ingredients may be irritating to skin and mucous membrane of the eye and respiratory system.
4.6	Target Organs:	Eyes, Skin, Respiratory System
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system).

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARDS	1
PROTECTIVE EQUIPMENT	B
EYES / SKIN	

5. FIREFIGHTING MEASURES

5.1	Fire & Explosion Hazards:	This product is not flammable.
5.2	Extinguishing Methods:	CO_2, Halon (if permitted), Dry Chemical, Foam, as authorized.
5.3	Firefighting Procedures:	As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

6. ACCIDENTAL RELEASE MEASURES

6.1	Spills:	Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (PPE). Keep incompatible materials (e.g., organics such as oil) away from spill. For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows). Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

7. HANDLING & STORAGE INFORMATION

7.1	Work & Hygiene Practices:	Do not eat, drink, or smoke while handling this product. Wash thoroughly after handling. Avoid contact with flammable or combustible materials. Avoid contamination from any source, including metals, dust and organic materials. Keep bulk covered. Wash unintentional residues with soap and warm water.
7.2	Storage & Handling:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat and open flames. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage.
7.3	Special Precautions:	Spilled material may present a slipping hazard if left unattended. Clean all spills promptly.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Exposure Limits: ppm (mg/m^3)

CHEMICAL NAME(S)	ACGIH TLV	ACGIH STEL	NOHSC ES-TWA	NOHSC ES-STEL	NOHSC ES-PEAK	OSHA PEL	OSHA STEL	OSHA IDLH	OTHER
HYDROGEN PEROXIDE	(1.4)	NA	(1.4)	NF	NF	(1.4)	NA	75	
PARAFFINUM LIQUIDUM (MINERAL OIL)	5	10	NF	5	NF	5	10	2500	MIST
TETRASODIUM PYROPHOSPHATE	5	NA	5	NF	NF	5	NA	NA	
PHOSPHORIC ACID	(1)	(3)	NF	NF	NF	NA	NA	1000	

8.2	Ventilation & Engineering Controls:	When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.	
8.3	Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.	
8.4	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.	
8.5	Hand Protection:	**AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL**. If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.	
8.6	Body Protection:	**AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL**. However, no special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Appearance:	White free flowing lotion
9.2	Odor:	Characteristic
9.3	Odor Threshold:	NA
9.4	pH:	NA
9.5	Melting Point/Freezing Point:	NA
9.6	Initial Boiling Point/Boiling Range:	NA
9.7	Flashpoint:	NA
9.8	Upper/Lower Flammability Limits:	NA
9.9	Vapor Pressure:	NA
9.10	Vapor Density:	NA
9.11	Relative Density:	NA
9.12	Solubility:	Partial to complete
9.13	Partition Coefficient (log P_{ow}):	NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	NA
9.17	Other Information:	NA

10. STABILITY & REACTIVITY

10.1	Stability:	This product is stable.
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO_2) and sulfur (SO_2). Liberation of gas my result in dangerous pressure.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks and high heat, direct sunlight.
10.5	Incompatible Substances:	Store away from flammable liquids, flammable solids, aerosols and other incompatible materials (e.g., reducing materials, combustible materials, metal contamination like iron, copper their alloys). Avoid contamination. Do not store any tint, lightener lotion or bleach powder after it has been mixed with developer; the container may rupture. Never return unused material to original container. Avoid extreme heat and ignition sources.

11. TOXICOLOGICAL INFORMATION

11.1	Routes of Entry:	Inhalation:	YES	Absorption:	YES	Ingestion:	NO
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components, but is not presented in this document.					
11.3	Acute Toxicity:	See Section 4.4					
11.4	Chronic Toxicity:	See Section 4.5					
11.5	Suspected Carcinogen:	This product contains Hydrogen Peroxide, listed as: ACGIH Group A3; IARC Group 3: Not classifiable as to it's carcinogenicity to humans. Paraffinum Liquidum (Mineral Oil) is listed as IARC Group 1.					
11.6	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.					
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.					
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.					
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.					
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.					
11.7	Irritancy of Product:	See Section 4.2					
11.8	Biological Exposure Indices:	NE					
11.9	Physician Recommendations:	Treat symptomatically.					

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability:	There are no specific data available for this product.
12.2	Effects on Plants & Animals:	There are no specific data available for this product.
12.3	Effects on Aquatic Life:	The product itself has not been tested as a whole. There are no specific data available for this product.

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal:	Dispose of in accordance with federal, state and local regulations.
13.2	Special Considerations:	NA

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

14.1	49 CFR (GND):	UN2984, HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS (9%), 5.1, III (LTD QTY, IPVOL ≤ 5.0 L)
14.2	IATA (AIR):	UN2984, HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS (9%), 5.1, III (LTD QTY, IP VOL ≤ 0.5 L, PI Y541)
14.3	IMDG (OCN):	UN2984, HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS (9%), 5.1, III (LTD QTY, IP VOL ≤ 5.0 L)
14.4	TDGR (Canadian GND):	UN2984, HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS (9%), 5.1, III (LTD QTY, IP VOL ≤ 5.0 L)
14.5	ADR/RID (EU):	UN2984, HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS (9%), 5.1, III (LTD QTY, IP VOL ≤ 5.0 L)
14.6	SCT (MEXICO):	UN2984, PEROXIDO DE HIDROGENO EN SOLUCION ACUOSA (9%), 5.1, III (CANTIDAD LIMITADA, IP VOL ≤ 5.0 L)
14.7	ADGR (AUS):	UN2984, HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS (9%), 5.1, III (LTD QTY, IP VOL ≤ 5.0 L)

15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements:	This product contains Phosphoric Acid, a substance subject to SARA Title III, Section 313 reporting requirements.
15.2	SARA TPQ:	There are no specific Threshold Planning Quantities for the components of this product.
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
15.4	CERCLA Reportable Quantity:	Phosphoric Acid: 5,000 lbs (2,270 kg)
15.5	Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR Subchapter G, (Cosmetics).
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List.

15. REGULATORY INFORMATION – cont'd

15.7	State Regulatory Information:	Paraffinum Liquidum (mineral oil) is found on the following state criteria list: Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN) and Washington Permissible Exposures List (WA). Hydrogen Peroxide is found on the following state criteria list: FL, MA, MN, NJ, PA and WA. Etidronic Acid is found on the following state criteria list: NJ and PA. Phosphoric Acid is found on the following state criteria lists: FL, MA, MN, and PA. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).
15.8	Other Requirements:	NA

16. OTHER INFORMATION

16.1	Other Information:	**DANGER! HARMFUL IF SWALLOWED. CAUSES SERIOUS EYE DAMAGE.** For external use only. Use only as directed. Discontinue use immediately if irritation develops Keep away from children. Keep container tightly closed in a cool place. When using do not eat or drink. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. If case of accident or if you feel unwell seek medical advice immediately (show the label where possible). **KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.** This product is designed and intended for use by a licensed cosmetologist/professional hairdresser only, and carries no warranty expressed or implied if used by others. CAN CAUSE AN ALLERGIC REACTION. Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy, If a severe allergic reaction should occur, immediately seek medical attention. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & TU-K Industries, Inc.'s (2K Industries) knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.
16.4	Prepared for:	[redacted]
16.5	Prepared by:	**ShipMate, Inc.** P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
RTECS No.	Registry of Toxic Effects of Chemical Substances Number
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
IDLH	Immediately Dangerous to Life and Health
NOHSC	National Occupational Health and Safety Commission (Australia)
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	
G	
H	
I	
J	
K	
X	**Consult your supervisor or SOPs for special handling directions.**

Safety Glasses

Splash Goggles

Face Shield & Protective Eyewear

Gloves

Boots

Protective Apron

Protective Clothing & Full Suit

Dust Respirator

Full Face Respirator

Dust & Vapor Half-Mask Respirator

Full Face Respirator

Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

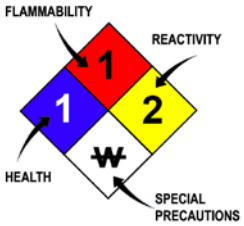
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:	
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD_{50}	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC_{50}	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD_{lo}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD_{lo}, LD_{lo}, & LD_o or TC, TC_o, LC_{lo}, & LC_o	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{OW} or log K_{OC}	Coefficient of Oil/Water Distribution

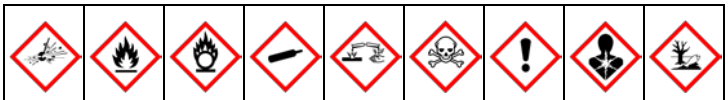
REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

CLP/GHS (1272/2008/EC) PICTOGRAMS:



GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

1. PRODUCT & COMPANY IDENTIFICATION

1.1	Product Name:	**FORTY**
1.2	Chemical Name:	NA
1.3	Synonyms:	Pulp Riot
1.4	Trade Names:	40 Vol. Cream Developer (12%)
1.5	Product Use:	Professional Use Only
1.6	Distributor's Name:	[redacted]
1.7	Distributor's Address:	[redacted]
1.8	Emergency Phone:	**CHEMTEL: +1 (800) 255-3924 / +01-813-248-0585**
1.9	Business Phone / Fax:	[redacted]

2. HAZARDS IDENTIFICATION

2.1	Hazard Identification:	This product is classified as a HAZARDOUS SUBSTANCE but NOT as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). **DANGER! HARMFUL IF SWALLOWED. CAUSES SERIOUS EYE DAMAGE.** Classification: Eye Irrit. 2; Acute Oral 4
2.2	Label Elements:	Hazard Statements (H): H302 – Harmful if swallowed. H318 – Causes serious eye damage. Precautionary Statements (P): P264 – Wash thoroughly after handling. P280 – Wear protective gloves and eye/face protection. P305+P351+P338 – IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. P310 – Immediately call a poison center/doctor. P405 – Store locked up. P501 – Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).
2.3	Other Warnings:	Keep out of reach of children. Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy, If a severe allergic reaction should occur, immediately seek medical attention. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.

3. COMPOSITION & INGREDIENT INFORMATION

					EXPOSURE LIMITS IN AIR (mg/m^3)								
					ACGIH		NOHSC			OSHA			
					ppm		ppm			ppm			
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	OTHER
AQUA (WATER/EAU)	7732-18-5	ZC0110000	231-791-2	75-90	NA	NA	NF	NF	NF	NA	NA	NA	
HYDROGEN PEROXIDE	7722-84-1	MX0900000	231-765-0	11-12.3	(1.4)	NA	(1.4)	NF	NF	(1.4)	NA	75	
	Eye Irrit. 2; H319												
PARAFFINUM LIQUIDUM (MINERAL OIL)	8012-95-1	PY8030000	232-384-2	3-10	5	10	NF	5	NF	5	10	2500	MIST
	Asp. Tox. 1; H304												
DECYL OLEATE	3687-46-5	NA	222-981-6	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
CETYL ALCOHOL	36653-82-4	MM0225000	253-149-0	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
STEARYL ALCOHOL	112-92-5	RG2010000	204-017-6	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
PEG-40 CASTOR OIL	61791-12-6	NA	NA	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
SODIUM CETEARYL SUFATE	59186-41-3	NA	NA	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
DISODIUM EDTA	139-33-3	NA	205-358-3	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
TETRASODIUM PYROPHOSPHATE	7722-88-5	UX7350000	231-767-1	< 1.0	5	NA	5	NF	NF	5	NA	NA	
	Eye Irrit. 2; H319												
ETIDRONIC ACID	2809-21-4	SZ8562100	220-552-8	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Met. Corr. 1; Acute Tox. 4; Eye Dam. 1; H290, H302, H318												
PHOSPHORIC ACID	7664-38-2	TB6300000	231-633-2	< 1.0	(1)	(3)	NF	NF	NF	NA	NA	1000	
	Skin Corr. 1B; H314												

4. FIRST AID MEASURES

4.1	First Aid:	Ingestion: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Eyes: Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Seek immediate medical attention. Skin: If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately. Inhalation: Remove victim to fresh air at once.
4.2	Effects of Exposure:	Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea. Eyes: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. Skin: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. Inhalation: None expected.
4.3	Symptoms of Overexposure:	Overexposure in eyes may cause severe damage, redness, itching and watering. Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.
4.4	Acute Health Effects:	Severe irritation to eyes. Symptoms of overexposure may include redness, itching, stinging, irritation and watering. Moderate irritation to skin near affected areas.
4.5	Chronic Health Effects:	These ingredients may be irritating to skin and mucous membrane of the eye and respiratory system.
4.6	Target Organs:	Eyes, Skin, Respiratory System
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system).

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARDS	1
PROTECTIVE EQUIPMENT	B
EYES / SKIN	

5. FIREFIGHTING MEASURES

5.1	Fire & Explosion Hazards:	This product is not flammable.
5.2	Extinguishing Methods:	CO_2, Halon (if permitted), Dry Chemical, Foam, as authorized.
5.3	Firefighting Procedures:	As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

6. ACCIDENTAL RELEASE MEASURES

6.1	Spills:	Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (PPE). Keep incompatible materials (e.g., organics such as oil) away from spill. For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows). Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

7. HANDLING & STORAGE INFORMATION

7.1	Work & Hygiene Practices:	Do not eat, drink, or smoke while handling this product. Wash thoroughly after handling. Avoid contact with flammable or combustible materials. Avoid contamination from any source, including metals, dust and organic materials. Keep bulk covered. Wash unintentional residues with soap and warm water.
7.2	Storage & Handling:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat and open flames. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage.
7.3	Special Precautions:	Spilled material may present a slipping hazard if left unattended. Clean all spills promptly.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Exposure Limits: ppm (mg/m^3)

CHEMICAL NAME(S)	ACGIH TLV	ACGIH STEL	NOHSC ES-TWA	NOHSC ES-STEL	NOHSC ES-PEAK	OSHA PEL	OSHA STEL	OSHA IDLH	OTHER
HYDROGEN PEROXIDE	(1.4)	NA	(1.4)	NF	NF	(1.4)	NA	75	
PARAFFINUM LIQUIDUM (MINERAL OIL)	5	10	NF	5	NF	5	10	2500	MIST
TETRASODIUM PYROPHOSPHATE	5	NA	5	NF	NF	5	NA	NA	
PHOSPHORIC ACID	(1)	(3)	NF	NF	NF	NA	NA	1000	

8.2	Ventilation & Engineering Controls:	When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.	
8.3	Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.	
8.4	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.	
8.5	Hand Protection:	**AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL**. If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.	
8.6	Body Protection:	**AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL**. However, no special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Appearance:	White free flowing lotion
9.2	Odor:	Characteristic
9.3	Odor Threshold:	NA
9.4	pH:	NA
9.5	Melting Point/Freezing Point:	NA
9.6	Initial Boiling Point/Boiling Range:	NA
9.7	Flashpoint:	NA
9.8	Upper/Lower Flammability Limits:	NA
9.9	Vapor Pressure:	NA
9.10	Vapor Density:	NA
9.11	Relative Density:	NA
9.12	Solubility:	Partial to complete
9.13	Partition Coefficient (log P_{ow}):	NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	NA
9.17	Other Information:	NA

10. STABILITY & REACTIVITY

10.1	Stability:	This product is stable.
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO_2) and sulfur (SO_2). Liberation of gas my result in dangerous pressure.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks and high heat, direct sunlight.
10.5	Incompatible Substances:	Store away from flammable liquids, flammable solids, aerosols and other incompatible materials (e.g., reducing materials, combustible materials, metal contamination like iron, copper their alloys). Avoid contamination. Do not store any tint, lightener lotion or bleach powder after it has been mixed with developer; the container may rupture. Never return unused material to original container. Avoid extreme heat and ignition sources.

11. TOXICOLOGICAL INFORMATION

11.1	Routes of Entry:	Inhalation:	YES	Absorption:	YES	Ingestion:	NO
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components, but is not presented in this document.					
11.3	Acute Toxicity:	See Section 4.4					
11.4	Chronic Toxicity:	See Section 4.5					
11.5	Suspected Carcinogen:	This product contains Hydrogen Peroxide, listed as: ACGIH Group A3; IARC Group 3: Not classifiable as to it's carcinogenicity to humans. Paraffinum Liquidum (Mineral Oil) is listed as IARC Group 1.					
11.6	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.					
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.					
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.					
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.					
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.					
11.7	Irritancy of Product:	See Section 4.2					
11.8	Biological Exposure Indices:	NE					
11.9	Physician Recommendations:	Treat symptomatically.					

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability:	There are no specific data available for this product.
12.2	Effects on Plants & Animals:	There are no specific data available for this product.
12.3	Effects on Aquatic Life:	The product itself has not been tested as a whole. There are no specific data available for this product.

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal:	Dispose of in accordance with federal, state and local regulations.
13.2	Special Considerations:	NA

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

14.1	49 CFR (GND):	UN2984, HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS (12%), 5.1, III (LTD QTY, IPVOL ≤ 5.0 L)
14.2	IATA (AIR):	UN2984, HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS (12%), 5.1, III (LTD QTY, IP VOL ≤ 0.5 L, PI Y541)
14.3	IMDG (OCN):	UN2984, HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS (12%), 5.1, III (LTD QTY, IP VOL ≤ 5.0 L)
14.4	TDGR (Canadian GND):	UN2984, HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS (12%), 5.1, III (LTD QTY, IP VOL ≤ 5.0 L)
14.5	ADR/RID (EU):	UN2984, HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS (12%), 5.1, III (LTD QTY, IP VOL ≤ 5.0 L)
14.6	SCT (MEXICO):	UN2984, PEROXIDO DE HIDROGENO EN SOLUCION ACUOSA (12%), 5.1, III (CANTIDAD LIMITADA, IP VOL ≤ 5.0 L)
14.7	ADGR (AUS):	UN2984, HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS (12%), 5.1, III (LTD QTY, IP VOL ≤ 5.0 L)

15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements:	This product contains Phosphoric Acid a substances subject to SARA Title III, section 313 reporting requirements.
15.2	SARA TPQ:	There are no specific Threshold Planning Quantities for the components of this product.
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
15.4	CERCLA Reportable Quantity:	Phosphoric Acid: 5,000 lbs (2,270 kg)
15.5	Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR Subchapter G, (Cosmetics).
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List.

15. REGULATORY INFORMATION – cont'd

15.7	State Regulatory Information:	Paraffinum Liquidum (mineral oil) is found on the following state criteria list: Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN) and Washington Permissible Exposures List (WA). Hydrogen Peroxide is found on the following state criteria list: FL, MA, MN, NJ, PA and WA. Etidronic Acid is found on the following state criteria list: NJ and PA. Phosphoric Acid is found on the following state criteria lists: FL, MA, MN, and PA. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).
15.8	Other Requirements:	NA

16. OTHER INFORMATION

16.1	Other Information:	**DANGER! HARMFUL IF SWALLOWED. CAUSES SERIOUS EYE DAMAGE.** For external use only. Use only as directed. Discontinue use immediately if irritation develops Keep away from children. Keep container tightly closed in a cool place. When using do not eat or drink. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. If case of accident or if you feel unwell seek medical advice immediately (show the label where possible). **KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.** This product is designed and intended for use by a licensed cosmetologist/professional hairdresser only, and carries no warranty expressed or implied if used by others. CAN CAUSE AN ALLERGIC REACTION. Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy, If a severe allergic reaction should occur, immediately seek medical attention. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & TU-K Industries, Inc.'s (2K Industries) knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.
16.4	Prepared for:	[redacted]
16.5	Prepared by:	**ShipMate, Inc.** P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
RTECS No.	Registry of Toxic Effects of Chemical Substances Number
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
IDLH	Immediately Dangerous to Life and Health
NOHSC	National Occupational Health and Safety Commission (Australia)
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	
G	
H	
I	
J	
K	
X	**Consult your supervisor or SOPs for special handling directions.**

Safety Glasses

Splash Goggles

Face Shield & Protective Eyewear

Gloves

Boots

Protective Apron

Protective Clothing & Full Suit

Dust Respirator

Full Face Respirator

Dust & Vapor Half-Mask Respirator

Full Face Respirator

Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

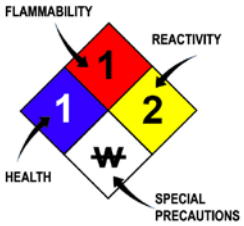
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:	
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD_{50}	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC_{50}	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD_{lo}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD_{lo}, LD_{lo}, & LD_o or TC, TC_o, LC_{lo}, & LC_o	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{OW} or log K_{OC}	Coefficient of Oil/Water Distribution

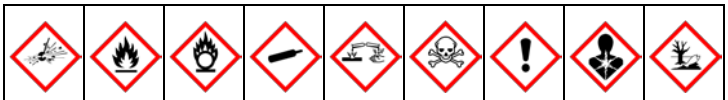
REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

CLP/GHS (1272/2008/EC) PICTOGRAMS:



GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

SAFETY DATA SHEET

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & EU Standards | SDS Revision: 1.0 | SDS Revision Date: 7/3/2017

1. PRODUCT & COMPANY IDENTIFICATION

1.1	Product Name:	**PULP RIOT COLOR REMOVER LIGHTENER**
1.2	Chemical Name:	Persulfate Blend Hair Bleach
1.3	Synonyms:	
1.4	Trade Names:	PULP RIOT COLOR REMOVER LIGHTENER
1.5	Product Uses & Restrictions:	Professional Cosmetic Use Only
1.6	Distributor's Name:	[redacted]
1.7	Distributor's Address:	[redacted]
1.8	Emergency Phone:	**CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 10069)**
1.9	Business Phone / Fax:	[redacted]

2. HAZARDS IDENTIFICATION

2.1 Hazard Identification:

This product is classified as a hazardous substance and as dangerous goods according to the classification criteria of NOHSC: 1008 (2004) and ADG Code (Australia).

DANGER! MAY INTENSIFY FIRE; OXIDIZER. HARMFUL IF SWALLOWED. CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED. MAY CAUSE RESPIRATORY IRRITATION.

Classification: Oxidizing Solid Category 3; Acute Toxicity Category 4; Skin Irritation Category 2; Eye Irritation Category 2A; Respiratory Sensitization Category 1; Skin Sensitization Category 1; Single Target Organ Toxicity (Single Exposure).

Hazard Statements (H): H272 May intensify fire; oxidizer. H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation.

Precautionary Statements (P): P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking. P220 - Keep/Store away from clothing/cotton/combustible materials. P261 - Avoid breathing dust/fumes. P264 - Wash hands and exposed skin areas with soap and warm water thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P284 - If necessary, wear respiratory protection. P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P302+P352 - IF ON SKIN: Wash with soap and water. P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do continue rinsing. P312 - Call a POISON CENTER or doctor/physician if you feel unwell. P321 - Specific treatment (see section 4 of the Safety Data Sheet or the product label). P330 - Rinse mouth. P332+P313 - If skin irritation occurs: Get medical advice/attention. P333+P313 - If skin irritation or a rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists get medical advice/attention. P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. P362+P364 - Take off contaminated clothing and wash before reuse. P370+P378 - In case of fire: Use CO_2, Halon (if permitted), dry chemical, or foam for extinction. P403+P233 - Store in a well ventilated place. Keep container tightly closed. P405 - Store locked up. P501 - Dispose of contents/container to licensed treatment, storage or disposal facility (TSDF).

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m^3) ACGIH ppm TLV	ACGIH ppm STEL	NOHSC ppm ES-TWA	NOHSC ppm ES-STEL	NOHSC ppm ES-PEAK	OSHA ppm PEL	OSHA ppm STEL	OSHA ppm IDLH	OTHER
AMMONIUM PERSULFATE	7727-54-0	SE0350000	231-786-5	10-30	(0.1)	NA	NF	NF	NF	NA	NA	NA	
	Ox. Sol. 3; Acute Tox. 4; Skin Irrit. 2; Skin Sens. 1; Eye Irrit. 2; Resp. Sens. 2; H272, H302, H315, H317, H319, H334,H335												
POTASSIUM PERSULFATE	7727-21-1	SE0400000	231-781-8	30-60	(0.1)	NA	NF	NF	NF	NA	NA	NA	
	Ox. Sol. 3; Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2A; Resp. Sens. 1; Skin Sens. 1; STOT SE 3; H272, H302, H315, H317, H319, H334, H335												
SODIUM SILICATE	1344-09-8	NA	215-687-4	10-30	NA	NA	NF	NF	NF	NA	NA	NA	
	Acute Tox. 4; Skin Irrit. 2;Eye Dam. 1; H302, H315, H318												
PROPRIETARY BLEND	NA	NA	NA	BAL	NA	NA	NF	NF	NF	NA	NA	NA	

4. FIRST AID MEASURES

4.1	First Aid:	Ingestion: If ingested, do not induce vomiting. Drink plenty of water or milk. If the patient is vomiting, continue to offer plenty of water or milk. Never give water or milk to an unconscious person. If large quantities are ingested, contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time and amount of the substance that was swallowed. Get medical attention immediately. Eyes: If product is in the eyes, flush with copious amounts of water for at least 15 minutes. Remove contact lenses if present and easy to do, continue flushing. Open and close eyelid(s) to ensure thorough irrigation. If problem persists, consult a physician. Skin: If redness, dryness or other signs of irritation to the skin develop, remove contaminated clothing and wash affected skin areas with plenty of warm water and soap. If irritation persists, consult a physician. Inhalation: Give oxygen as necessary and get medical attention.
4.2	Effects of Exposure:	Ingestion: May cause irritation in mouth and throat. Swallowing may cause evolution of oxygen which may cause injury by distention of the esophagus or stomach. May cause nausea, vomiting and diarrhea. Eyes: May cause irritation, redness, stinging and tearing. When bleach powders are mixed with peroxides or developers, the resulting mixture may cause severe eye irritation and possible eye injury. Skin: May be irritating to skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. Inhalation: Prolonged exposure may cause irritation in nose and throat with chest discomfort, coughing and difficulty breathing. Excessive inhalation of dust may result in sensitization and irritation to respiratory tract. May cause asthma-like symptoms in some sensitive individuals.
4.3	Symptoms of Overexposure:	Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
4.4	Acute Health Effects:	Moderate irritation to skin near affected areas. This product causes serious eye irritation.
4.5	Chronic Health Effects:	The material may accentuate any pre-existing dermatitis condition.
4.6	Target Organs:	Eyes, skin & respiratory system.
4.7	Medical Conditions Aggravated by Exposure:	Acute health hazards may be delayed. Most common symptoms include irritating properties to eyes, respiratory system and skin. Existing dermatological conditions (such as eczema) and respiratory conditions (such as bronchial asthma and/or bronchitis) may be aggravated.

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARDS	1
PROTECTIVE EQUIPMENT	B
EYES / SKIN	

5. FIREFIGHTING MEASURES

5.1	Fire & Explosion Hazards:	**DANGER! MAY INTENSIFY FIRE; OXIDIZER.** Upon decomposition, persulfates yield oxygen and may thereby stimulate combustion of flammable and combustible materials. Extinguish fires with media appropriate for the burning material. Product contains oxidizing materials. Residual product on towels, sponges or mops may cause fire. Rinse towels thoroughly before disposal. Rinse sponges and mops thoroughly before storage. Persulfate compounds may ignite and undergo decomposition in the presence of moisture and heat. Spray and flood decomposing material with large quantities of water.
5.2	Extinguishing Methods:	CO_2, Halon (if permitted), Dry Chemical, Foam, as authorized. Water and/or foam □ typically a Class A or Class B extinguisher should be sufficient for the product. However, selection of a fire extinguisher should also be appropriate to address the location of the fire and equipment involved. Flood with water and use water spray to cool fire-exposed containers and structures.
5.3	Firefighting Procedures:	This product is an oxidizer and may intensify fire. As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personnel. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous decomposition products. HazChem Code: 2P Hazard Identification Number: 50

6. ACCIDENTAL RELEASE MEASURES

6.1	Spills:	Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. Plastic or rubber gloves, respirator, eye protection and apron may be required for clean-up of large spills. Small Spills: (e.g., □ 1.0 lbs (0.45 kg)). Wear appropriate protective equipment including gloves and protective eyewear. Use a non-combustible material such as vermiculite or sand to soak up the product and place into a container for later disposal. Do not use water or a material such as □speedy dry□ to soak up material. Sweep up material using non-sparking materials (e.g., plastic brooms, shovels, dustpans) and place into a plastic container or plastic liner within another container. Large Spills: (e.g., > 1.0 lbs (0.45 kg)) Keep incompatible materials (e.g., organics such as oil) away from spill. Stay upwind and away from spill or release. Isolate immediate hazard area and keep unauthorized personnel out of area. Stop spill or release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant.

7. HANDLING & STORAGE INFORMATION

7.1	Work & Hygiene Practices:	Do not eat, drink or smoke when handling this product. Wash thoroughly after handling. Avoid contact with flammable or combustible materials. Avoid contamination from any source, including metals, dust and organic materials. Keep bulk materials covered. Use chemical goggles if eye contact is possible. Wash unintentional residues with soap and warm water.
7.2	Storage & Handling:	Keep this material away from heat, sparks and open flame. Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Avoid temperatures above 120 °F (49 °C). Keep away from incompatible substances. Protect containers from physical damage. To avoid unintentional spraying keep cap in place when not in use. Store away from incompatible materials (see Section 10).
7.3	Special Precautions:	Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. Do not allow stored material to come into contact with moisture (keep lids properly affixed on product stored in plastic tubs). Do not store metal utensils inside containers of product.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Exposure Limits: ppm (mg/m^3)

	ACGIH		NOHSC			OSHA			OTHER
CHEMICAL NAME(S)	**TLV**	**STEL**	**ES-TWA**	**ES-STEL**	**ES-PEAK**	**PEL**	**STEL**	**IDLH**	
POTASSIUM PERSULFATE	(0.1)	NA	NF	NF	NF	NA	NA	NA	
AMMONIUM PERSULFATE	(0.1)	NA	NF	NF	NF	NA	NA	NA	

8.2	Ventilation & Engineering Controls:	When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans), to keep exposure below the airborne exposure limits. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.	
8.3	Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.	
8.4	Eye Protection:	Avoid contact. Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.	
8.5	Hand Protection:	If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.	
8.6	Body Protection:	No special body protection is required under typical circumstances of use and handling. Wear appropriate protective clothing to prevent skin contact, (e.g., boots, lab coat, apron, coveralls) as needed. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Appearance:	Free flowing powder
9.2	Odor:	Bleach odor (no fragrance added)
9.3	Odor Threshold:	NA
9.4	pH:	9-11.5
9.5	Melting Point/Freezing Point:	NA
9.6	Initial Boiling Point/Boiling Range:	NA
9.7	Flashpoint:	NA
9.8	Upper/Lower Flammability Limits:	NA
9.9	Vapor Pressure:	NA
9.10	Vapor Density:	NA
9.11	Relative Density:	< 0.5
9.12	Solubility:	4.7 g in 100 mL water
9.13	Partition Coefficient (log P_{ow}):	NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	NA
9.17	Other Information:	%VOC @ 21 °C (70 °F): 0

10. STABILITY & REACTIVITY

10.1	Stability:	Unstable. Gradually decomposes losing oxygen. Decomposes more rapidly at higher temperatures. Metals other than stainless steel are apt to cause decomposition of persulfate solutions. Generates heat when mixed with acid. May react with ammonium salt solutions resulting in evolution of ammonia gas. Liberation of oxygen gas may result in dangerous pressures.
10.2	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., CO, CO_2, and SO_2). Liberation of gas (e.g., oxygen) may result in dangerous pressures. Decomposed by moisture to form oxygen and ozone. Burning may produce nitrogen oxides, sulfur oxides, and sulfuric acid.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks, high heat and direct sunlight. Moisture, combustible material, heat, flame, ignition sources, shock, friction, powdered metals, phosphorus, hydrides, organic matter, halogens, acids, alkalis, and incompatibles.
10.5	Incompatible Substances:	Reducing agents, organics, some acids, flammable materials. Do not use metallic bowls or utensils when mixing this product. Avoid contamination with moisture, combustible or organic materials (e.g., sawdust, damp paper towels).

11. TOXICOLOGICAL INFORMATION

11.1	Routes of Entry:	Inhalation:	YES	Absorption:	YES	Ingestion:	YES
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of the product but is not presented in this document.					
11.3	Acute Toxicity:	Moderate irritation to skin near affected areas. This product causes serious eye irritation.					
11.4	Chronic Toxicity:	The material may aggravate any pre-existing skin condition (e.g., dermatitis). This product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.					
11.5	Suspected Carcinogen:	No					
11.6	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.					
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.					
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.					
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.					
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.					
11.7	Irritancy of Product:	The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.					
11.8	Biological Exposure Indices:	NE					
11.9	Physician Recommendations:	Treat symptomatically.					

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability:	The components of this product will slowly degrade over time into a variety of organic compounds. Specific environmental data available for the components of this product are available, but are not presented in this Safety Data Sheet.
12.2	Effects on Plants & Animals:	There are no specific data available for this product.
12.3	Effects on Aquatic Life:	This product was not tested on animals. Specific aquatic test data is available for the some of the components of this product, but are not presented in this Safety Data Sheet.

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal:	Waste disposal must be in accordance with appropriate Federal, state, and local regulations.
13.2	Special Considerations:	U.S. EPA Waste Number: D001 (characteristic - ignitable)

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

14.1	49 CFR (GND):	UN1479, OXIDIZING SOLID, N.O.S. (potassium persulfate, ammonium persulfate), 5.1, III (LTD QTY, IP VOL □5.0 kg); or CONSUMER COMMODITY, ORM-D □until 01/01/2021
14.2	IATA (AIR):	UN1479, OXIDIZING SOLID, N.O.S. (potassium persulfate, ammonium persulfate), 5.1, III (LTD QTY, IP VOL □1.0 kg)
14.3	IMDG (OCN):	UN1479, OXIDIZING SOLID, N.O.S. (potassium persulfate, ammonium persulfate), 5.1, III (LTD QTY, IP VOL □5.0 kg)
14.4	TDGR (Canadian GND):	UN1479, OXIDIZING SOLID, N.O.S. (potassium persulfate, ammonium persulfate), 5.1, III (LTD QTY, IP VOL □5.0 kg); or □LIMITED QUANTITY□or □QUANTITÉ LIMITÉE□or □LTD QTY□or □QUANT LTÉE□(IP VOL □5.0 kg)
14.5	ADR/RID (EU):	UN1479, OXIDIZING SOLID, N.O.S. (potassium persulfate, ammonium persulfate), 5.1, III (LTD QTY, IP VOL □5.0 kg)
14.6	SCT (MEXICO):	UN1479, SOLIDO COMBURENTE, N.E.P. (persulfato de potasio, persulfato de ammonia), 5.1, III (CANTIDAD LIMITADA, IP VOL □5.0 kg)
14.7	ADGR (AUS):	UN1479, OXIDIZING SOLID, N.O.S. (potassium persulfate, ammonium persulfate), 5.1, III (LTD QTY, IP VOL □5.0 kg)

15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements:	This product does not contain any substances subject to SARA Title III, section 313 reporting requirements.
15.2	SARA Threshold Planning Qty:	There are no specific Threshold Planning Quantities for the components of this product.
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
15.4	CERCLA Reportable Quantity:	NA
15.5	Other Federal Requirements:	This material does not contain any hazardous air pollutants. None of the components in this product are listed as priority pollutants under the CWA. None of the components in this product are listed as toxic pollutants under the CWA.
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the Safety Data Sheet contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. WHMIS C, D2B (Oxidizing Agent, Other Toxic Effects)
15.7	State Regulatory Information:	Potassium Persulfate is found on the following state criteria lists: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), and Pennsylvania Right-to-Know List (PA). Ammonium Persulfate is found on the following state criteria lists: NJ and PA. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).
15.8	Other Requirements:	The primary components of this product are listed in Annex I of EU Directive 67/548/EEC: Potassium Persulfate: Oxidizer, Harmful (O, Xn). Risk Phrases (R): 8-22-36/37/38-42/43 □ Contact with combustible material may cause fire. Harmful if swallowed. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation and skin contact. Safety Phrases (S): (2)-3-7-17-22-24-26-37-51 - Keep out of the reach of children. Keep in a cool place. Keep container tightly closed. Keep away from combustible material. Do not breathe dust. Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves. Use only in well-ventilated areas. Ammonium Persulfate: Oxidizer, Harmful (O, Xn). Risk Phrases (R): 8-22-36/37/38-42/43 □ Contact with combustible material may cause fire. Harmful if swallowed. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation and skin contact. Safety Phrases (S): (2)-3-7-17-22-24-26-37-51 - Keep out of the reach of children. Keep in a cool place. Keep container tightly closed. Keep away from combustible material. Do not breathe dust. Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves. Use only in well-ventilated areas.

16. OTHER INFORMATION

16.1	Other Information:	**DANGER! MAY INTENSIFY FIRE; OXIDIZER. HARMFUL IF SWALLOWED. CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED. MAY CAUSE RESPIRATORY IRRITATION.** Keep away from heat/sparks/open flames/hot surfaces □ No smoking. Keep/Store away from clothing/cotton/combustible materials. Avoid breathing dust/fumes. Wash hands and exposed skin areas with soap and warm water thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. If necessary, wear respiratory protection. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do □ continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment (see section 4 of the Safety Data Sheet or the product label) Rinse mouth. If skin irritation occurs: Get medical advice/attention. If skin irritation or a rash occurs: Get medical advice/attention. If eye irritation persists get medical advice/attention. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Take off contaminated clothing and wash before reuse. In case of fire: Use CO_2, Halon (if permitted), dry chemical, or foam for extinction. Store in a well ventilated place. Keep container tightly closed. Store locked up. **KEEP LOCKED UP AND OUT OF REACH OF CHILDREN**
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of Hair Systems knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.
16.4	Issued by:	[redacted] [redacted]

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
C	Ceiling Limit
ES	Exposure Standard (Australia)
IDLH	Immediately Dangerous to Life and Health
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short-Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	
G	
H	
I	
J	
K	
X	**Consult your supervisor or SOPs for special handling directions.**

Safety Glasses | **Splash Goggles** | **Face Shield & Protective Eyewear** | **Gloves**

Boots | **Synthetic Apron** | **Protective Clothing & Full Suit** | **Dust Respirator**

Full Face Respirator | **Dust & Vapor Half-Mask Respirator** | **Full Face Respirator** | **Airline Hood/Mask or SCBA**

OTHER STANDARD ABBREVIATIONS:

ML	Maximum Limit
mg/m3	milligrams per cubic meter
NA	Not Available
ND	Not Determined
NE	Not Established
NF	Not Found
NR	No Results
ppm	parts per million
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
₩	Use No Water
OX	Oxidizer
TREFOIL	Radioactive

TOXICOLOGICAL INFORMATION:

LD_{50}	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s
LC_{50}	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD_{lo}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD_{lo}, LD_{lo}, & LD_o or TC, TC_o, LC_{lo}, & LC_o	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{OW} or log K_{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NOHSC	National Occupational Health and Safety Commission (Australia)
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)
HMIS-III	National Paint & Coatings Association Hazardous Materials Identification System

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

SAFETY DATA SHEET

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & EU Standards | SDS Revision: 1.0 | SDS Revision Date: 3/8/2017

1. PRODUCT & COMPANY IDENTIFICATION

1.1	Product Name:	**PULP RIOT HAIR LIGHTENER**
1.2	Chemical Name:	Persulfate Blend Hair Bleach
1.3	Synonyms:	BLEND1496
1.4	Trade Names:	PULP RIOT HAIR LIGHTENER
1.5	Product Uses & Restrictions:	Professional Cosmetic Use Only
1.6	Distributor's Name:	
1.7	Distributor's Address:	
1.8	Emergency Phone:	**CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 10069)**
1.9	Business Phone / Fax:	

2. HAZARDS IDENTIFICATION

2.1 Hazard Identification:

This product is classified as a hazardous substance and as dangerous goods according to the classification criteria of NOHSC: 1008 (2004) and ADG Code (Australia).

DANGER! MAY INTENSIFY FIRE; OXIDIZER. HARMFUL IF SWALLOWED. CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED. MAY CAUSE RESPIRATORY IRRITATION.

Classification: Oxidizing Solid Category 3; Acute Toxicity Category 4; Skin Irritation Category 2; Eye Irritation Category 2A; Respiratory Sensitization Category 1; Skin Sensitization Category 1; Single Target Organ Toxicity (Single Exposure).

Hazard Statements (H): H272 May intensify fire; oxidizer. H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation.

Precautionary Statements (P): P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking. P220 - Keep/Store away from clothing/cotton/combustible materials. P261 - Avoid breathing dust/fumes. P264 - Wash hands and exposed skin areas with soap and warm water thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P284 - If necessary, wear respiratory protection. P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P302+P352 - IF ON SKIN: Wash with soap and water. P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do continue rinsing. P312 - Call a POISON CENTER or doctor/physician if you feel unwell. P321 - Specific treatment (see section 4 of the Safety Data Sheet or the product label). P330 - Rinse mouth. P332+P313 - If skin irritation occurs: Get medical advice/attention. P333+P313 - If skin irritation or a rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists get medical advice/attention. P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. P362+P364 - Take off contaminated clothing and wash before reuse. P370+P378 - In case of fire: Use CO_2, Halon (if permitted), dry chemical, or foam for extinction. P403+P233 - Store in a well ventilated place. Keep container tightly closed. P405 - Store locked up. P501 - Dispose of contents/container to licensed treatment, storage or disposal facility (TSDF).

3. COMPOSITION & INGREDIENT INFORMATION

					EXPOSURE LIMITS IN AIR (mg/m³)								
					ACGIH		NOHSC			OSHA			
					ppm		ppm			ppm			
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	OTHER
AMMONIUM PERSULFATE	7727-54-0	SE0350000	231-786-5	1-10	(0.1)	NA	NF	NF	NF	NA	NA	NA	
	Ox. Sol. 3; Acute Tox. 4; Skin Irrit. 2; Skin Sens. 1; Eye Irrit. 2; Resp. Sens. 2; H272, H302, H315, H317, H319, H334,H335												
POTASSIUM PERSULFATE	7727-21-1	SE0400000	231-781-8	30-60	(0.1)	NA	NF	NF	NF	NA	NA	NA	
	Ox. Sol. 3; Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2A; Resp. Sens. 1; Skin Sens. 1; STOT SE 3; H272, H302, H315, H317, H319, H334, H335												
SODIUM SILICATE	1344-09-8	NA	215-687-4	10-30	NA	NA	NF	NF	NF	NA	NA	NA	
	Acute Tox. 4; Skin Irrit. 2;Eye Dam. 1; H302, H315, H318												
PROPRIETARY BLEND	NA	NA	NA	BAL	NA	NA	NF	NF	NF	NA	NA	NA	

4. FIRST AID MEASURES

4.1	First Aid:	Ingestion: If ingested, do not induce vomiting. Drink plenty of water or milk. If the patient is vomiting, continue to offer plenty of water or milk. Never give water or milk to an unconscious person. If large quantities are ingested, contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time and amount of the substance that was swallowed. Get medical attention immediately. Eyes: If product is in the eyes, flush with copious amounts of water for at least 15 minutes. Remove contact lenses if present and easy to do, continue flushing. Open and close eyelid(s) to ensure thorough irrigation. If problem persists, consult a physician. Skin: If redness, dryness or other signs of irritation to the skin develop, remove contaminated clothing and wash affected skin areas with plenty of warm water and soap. If irritation persists, consult a physician. Inhalation: Give oxygen as necessary and get medical attention.
4.2	Effects of Exposure:	Ingestion: May cause irritation in mouth and throat. Swallowing may cause evolution of oxygen which may cause injury by distention of the esophagus or stomach. May cause nausea, vomiting and diarrhea. Eyes: May cause irritation, redness, stinging and tearing. When bleach powders are mixed with peroxides or developers, the resulting mixture may cause severe eye irritation and possible eye injury. Skin: May be irritating to skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. Inhalation: Prolonged exposure may cause irritation in nose and throat with chest discomfort, coughing and difficulty breathing. Excessive inhalation of dust may result in sensitization and irritation to respiratory tract. May cause asthma-like symptoms in some sensitive individuals.
4.3	Symptoms of Overexposure:	Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
4.4	Acute Health Effects:	Moderate irritation to skin near affected areas. This product causes serious eye irritation.
4.5	Chronic Health Effects:	The material may accentuate any pre-existing dermatitis condition.
4.6	Target Organs:	Eyes, skin & respiratory system.
4.7	Medical Conditions Aggravated by Exposure:	Acute health hazards may be delayed. Most common symptoms include irritating properties to eyes, respiratory system and skin. Existing dermatological conditions (such as eczema) and respiratory conditions (such as bronchial asthma and/or bronchitis) may be aggravated.

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARDS	1
PROTECTIVE EQUIPMENT	B
EYES / SKIN	

5. FIREFIGHTING MEASURES

5.1	Fire & Explosion Hazards:	**DANGER! MAY INTENSIFY FIRE; OXIDIZER.** Upon decomposition, persulfates yield oxygen and may thereby stimulate combustion of flammable and combustible materials. Extinguish fires with media appropriate for the burning material. Product contains oxidizing materials. Residual product on towels, sponges or mops may cause fire. Rinse towels thoroughly before disposal. Rinse sponges and mops thoroughly before storage. Persulfate compounds may ignite and undergo decomposition in the presence of moisture and heat. Spray and flood decomposing material with large quantities of water.
5.2	Extinguishing Methods:	CO_2, Halon (if permitted), Dry Chemical, Foam, as authorized. Water and/or foam □ typically a Class A or Class B extinguisher should be sufficient for the product. However, selection of a fire extinguisher should also be appropriate to address the location of the fire and equipment involved. Flood with water and use water spray to cool fire-exposed containers and structures.
5.3	Firefighting Procedures:	This product is an oxidizer and may intensify fire. As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personnel. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous decomposition products. HazChem Code: 2P Hazard Identification Number: 50

6. ACCIDENTAL RELEASE MEASURES

6.1	Spills:	Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. Plastic or rubber gloves, respirator, eye protection and apron may be required for clean-up of large spills. Small Spills: (e.g., □ 1.0 lbs (0.45 kg)). Wear appropriate protective equipment including gloves and protective eyewear. Use a non-combustible material such as vermiculite or sand to soak up the product and place into a container for later disposal. Do not use water or a material such as □speedy dry□to soak up material. Sweep up material using non-sparking materials (e.g., plastic brooms, shovels, dustpans) and place into a plastic container or plastic liner within another container. Large Spills: (e.g., > 1.0 lbs (0.45 kg)) Keep incompatible materials (e.g., organics such as oil) away from spill. Stay upwind and away from spill or release. Isolate immediate hazard area and keep unauthorized personnel out of area. Stop spill or release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant.

7. HANDLING & STORAGE INFORMATION

7.1	Work & Hygiene Practices:	Do not eat, drink or smoke when handling this product. Wash thoroughly after handling. Avoid contact with flammable or combustible materials. Avoid contamination from any source, including metals, dust and organic materials. Keep bulk materials covered. Use chemical goggles if eye contact is possible. Wash unintentional residues with soap and warm water.
7.2	Storage & Handling:	Keep this material away from heat, sparks and open flame. Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Avoid temperatures above 120 °F (49 °C). Keep away from incompatible substances. Protect containers from physical damage. To avoid unintentional spraying keep cap in place when not in use. Store away from incompatible materials (see Section 10).
7.3	Special Precautions:	Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. Do not allow stored material to come into contact with moisture (keep lids properly affixed on product stored in plastic tubs). Do not store metal utensils inside containers of product.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Exposure Limits: ppm (mg/m^3)

	ACGIH		NOHSC			OSHA			OTHER
CHEMICAL NAME(S)	**TLV**	**STEL**	**ES-TWA**	**ES-STEL**	**ES-PEAK**	**PEL**	**STEL**	**IDLH**	
POTASSIUM PERSULFATE	(0.1)	NA	NF	NF	NF	NA	NA	NA	
AMMONIUM PERSULFATE	(0.1)	NA	NF	NF	NF	NA	NA	NA	

8.2	Ventilation & Engineering Controls:	When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans), to keep exposure below the airborne exposure limits. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.	
8.3	Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.	
8.4	Eye Protection:	Avoid contact. Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.	
8.5	Hand Protection:	If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.	
8.6	Body Protection:	No special body protection is required under typical circumstances of use and handling. Wear appropriate protective clothing to prevent skin contact, (e.g., boots, lab coat, apron, coveralls) as needed. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Appearance:	Free flowing powder
9.2	Odor:	Bleach odor (no fragrance added)
9.3	Odor Threshold:	NA
9.4	pH:	9-11.5
9.5	Melting Point/Freezing Point:	NA
9.6	Initial Boiling Point/Boiling Range:	NA
9.7	Flashpoint:	NA
9.8	Upper/Lower Flammability Limits:	NA
9.9	Vapor Pressure:	NA
9.10	Vapor Density:	NA
9.11	Relative Density:	< 0.5
9.12	Solubility:	4.7 g in 100 mL water
9.13	Partition Coefficient (log P_{ow}):	NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	NA
9.17	Other Information:	%VOC @ 21 °C (70 °F): 0

10. STABILITY & REACTIVITY

10.1	Stability:	Unstable. Gradually decomposes losing oxygen. Decomposes more rapidly at higher temperatures. Metals other than stainless steel are apt to cause decomposition of persulfate solutions. Generates heat when mixed with acid. May react with ammonium salt solutions resulting in evolution of ammonia gas. Liberation of oxygen gas may result in dangerous pressures.
10.2	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., CO, CO_2, and SO_2). Liberation of gas (e.g., oxygen) may result in dangerous pressures. Decomposed by moisture to form oxygen and ozone. Burning may produce nitrogen oxides, sulfur oxides, and sulfuric acid.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks, high heat and direct sunlight. Moisture, combustible material, heat, flame, ignition sources, shock, friction, powdered metals, phosphorus, hydrides, organic matter, halogens, acids, alkalis, and incompatibles.
10.5	Incompatible Substances:	Reducing agents, organics, some acids, flammable materials. Do not use metallic bowls or utensils when mixing this product. Avoid contamination with moisture, combustible or organic materials (e.g., sawdust, damp paper towels).

11. TOXICOLOGICAL INFORMATION

11.1	Routes of Entry:	Inhalation:	YES	Absorption:	YES	Ingestion:	YES
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of the product but is not presented in this document.					
11.3	Acute Toxicity:	Moderate irritation to skin near affected areas. This product causes serious eye irritation.					
11.4	Chronic Toxicity:	The material may aggravate any pre-existing skin condition (e.g., dermatitis). This product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.					
11.5	Suspected Carcinogen:	No					
11.6	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.					
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.					
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.					
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.					
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.					
11.7	Irritancy of Product:	The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.					
11.8	Biological Exposure Indices:	NE					
11.9	Physician Recommendations:	Treat symptomatically.					

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability:	The components of this product will slowly degrade over time into a variety of organic compounds. Specific environmental data available for the components of this product are available, but are not presented in this Safety Data Sheet.
12.2	Effects on Plants & Animals:	There are no specific data available for this product.
12.3	Effects on Aquatic Life:	This product was not tested on animals. Specific aquatic test data is available for the some of the components of this product, but are not presented in this Safety Data Sheet.

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal:	Waste disposal must be in accordance with appropriate Federal, state, and local regulations.
13.2	Special Considerations:	U.S. EPA Waste Number: D001 (characteristic - ignitable)

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

14.1	49 CFR (GND):	UN1479, OXIDIZING SOLID, N.O.S. (potassium persulfate, ammonium persulfate), 5.1, III (LTD QTY, IP VOL □5.0 kg); or CONSUMER COMMODITY, ORM-D □until 01/01/2021
14.2	IATA (AIR):	UN1479, OXIDIZING SOLID, N.O.S. (potassium persulfate, ammonium persulfate), 5.1, III (LTD QTY, IP VOL □1.0 kg)
14.3	IMDG (OCN):	UN1479, OXIDIZING SOLID, N.O.S. (potassium persulfate, ammonium persulfate), 5.1, III (LTD QTY, IP VOL □5.0 kg)
14.4	TDGR (Canadian GND):	UN1479, OXIDIZING SOLID, N.O.S. (potassium persulfate, ammonium persulfate), 5.1, III (LTD QTY, IP VOL □5.0 kg); or □LIMITED QUANTITY□or □QUANTITÉ LIMITÉE□or □LTD QTY□or □QUANT LTÉE□(IP VOL □5.0 kg)
14.5	ADR/RID (EU):	UN1479, OXIDIZING SOLID, N.O.S. (potassium persulfate, ammonium persulfate), 5.1, III (LTD QTY, IP VOL □5.0 kg)
14.6	SCT (MEXICO):	UN1479, SOLIDO COMBURENTE, N.E.P. (persulfato de potasio, persulfato de ammonia), 5.1, III (CANTIDAD LIMITADA, IP VOL □5.0 kg)
14.7	ADGR (AUS):	UN1479, OXIDIZING SOLID, N.O.S. (potassium persulfate, ammonium persulfate), 5.1, III (LTD QTY, IP VOL □5.0 kg)

15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements:	This product does not contain any substances subject to SARA Title III, section 313 reporting requirements.
15.2	SARA Threshold Planning Qty:	There are no specific Threshold Planning Quantities for the components of this product.
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
15.4	CERCLA Reportable Quantity:	NA
15.5	Other Federal Requirements:	This material does not contain any hazardous air pollutants. None of the components in this product are listed as priority pollutants under the CWA. None of the components in this product are listed as toxic pollutants under the CWA.
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the Safety Data Sheet contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. WHMIS C, D2B (Oxidizing Agent, Other Toxic Effects)
15.7	State Regulatory Information:	Potassium Persulfate is found on the following state criteria lists: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), and Pennsylvania Right-to-Know List (PA). Ammonium Persulfate is found on the following state criteria lists: NJ and PA. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).
15.8	Other Requirements:	The primary components of this product are listed in Annex I of EU Directive 67/548/EEC: Potassium Persulfate: Oxidizer, Harmful (O, Xn). Risk Phrases (R): 8-22-36/37/38-42/43 □ Contact with combustible material may cause fire. Harmful if swallowed. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation and skin contact. Safety Phrases (S): (2)-3-7-17-22-24-26-37-51 - Keep out of the reach of children. Keep in a cool place. Keep container tightly closed. Keep away from combustible material. Do not breathe dust. Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves. Use only in well-ventilated areas. Ammonium Persulfate: Oxidizer, Harmful (O, Xn). Risk Phrases (R): 8-22-36/37/38-42/43 □ Contact with combustible material may cause fire. Harmful if swallowed. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation and skin contact. Safety Phrases (S): (2)-3-7-17-22-24-26-37-51 - Keep out of the reach of children. Keep in a cool place. Keep container tightly closed. Keep away from combustible material. Do not breathe dust. Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves. Use only in well-ventilated areas.

16. OTHER INFORMATION

16.1	Other Information:	**DANGER! MAY INTENSIFY FIRE; OXIDIZER. HARMFUL IF SWALLOWED. CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED. MAY CAUSE RESPIRATORY IRRITATION.** Keep away from heat/sparks/open flames/hot surfaces □ No smoking. Keep/Store away from clothing/cotton/combustible materials. Avoid breathing dust/fumes. Wash hands and exposed skin areas with soap and warm water thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. If necessary, wear respiratory protection. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do □ continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment (see section 4 of the Safety Data Sheet or the product label) Rinse mouth. If skin irritation occurs: Get medical advice/attention. If skin irritation or a rash occurs: Get medical advice/attention. If eye irritation persists get medical advice/attention. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Take off contaminated clothing and wash before reuse. In case of fire: Use CO_2, Halon (if permitted), dry chemical, or foam for extinction. Store in a well ventilated place. Keep container tightly closed. Store locked up. **KEEP LOCKED UP AND OUT OF REACH OF CHILDREN**
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of Hair Systems knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.
16.4	Issued by:	[redacted] [redacted]

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
C	Ceiling Limit
ES	Exposure Standard (Australia)
IDLH	Immediately Dangerous to Life and Health
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short-Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	
G	
H	
I	
J	
K	
X	**Consult your supervisor or SOPs for special handling directions.**

Safety Glasses | **Splash Goggles** | **Face Shield & Protective Eyewear** | **Gloves**

Boots | **Synthetic Apron** | **Protective Clothing & Full Suit** | **Dust Respirator**

Full Face Respirator | **Dust & Vapor Half-Mask Respirator** | **Full Face Respirator** | **Airline Hood/Mask or SCBA**

OTHER STANDARD ABBREVIATIONS:

ML	Maximum Limit
mg/m3	milligrams per cubic meter
NA	Not Available
ND	Not Determined
NE	Not Established
NF	Not Found
NR	No Results
ppm	parts per million
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
₩	Use No Water
OX	Oxidizer
TREFOIL	Radioactive

TOXICOLOGICAL INFORMATION:

LD_{50}	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s
LC_{50}	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD_{lo}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD_{lo}, LD_{lo}, & LD_o or TC, TC_o, LC_{lo}, & LC_o	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{OW} or log K_{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NOHSC	National Occupational Health and Safety Commission (Australia)
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)
HMIS-III	National Paint & Coatings Association Hazardous Materials Identification System

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

SAFETY DATA SHEET

BARCELONA PURPLE SHAMPOO

Revision: Original
Revision Date: 7/21/2017

Section 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product Name: Barcelona Purple Shampoo
Description: Rinse off Shampoo for hair
Use: Apply to wet hair. Lather and rinse.
Manufacturer: [redacted]

Telephone
Fax [redacted]

Section 2. HAZARDS IDENTIFICATION

Main Hazards No significant hazards

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

	Conc.	CAS	EINECS	Symbols/Risk Phases
Water/Aqua/Eau	50-80%	7732-18-5	231-791-2	
Sodium C14-16 Olefin Sulfonate	10-15%	68439-57-6	270-407-8	
Cocamidopropyl Betaine	1-5%	61789-40-0	263-058-8	
Glycerin	1-5%	56-81-5	200-289-5	
Cocamidopropylamine Oxide	1-5%	68155-09-9	268-938-5	
Acrylates Copolymer	1-5%	159666-35-0	n/a	
Fragrance/Parfum	0.5-1.0%	n/a	n/a	
Chenopodium Quinoa Extract	<0.1%	n/a	n/a	
Carthamus Tinctorius (Safflower) Seed Oil	<0.1%	8001-23-8	232-276-5	
Hydrolyzed Rice Protein	<0.1%	1567-15-40-1	n/a	
Glycol Stearate	0.5-1.0%	111-60-4	203-886-9	
PEG-150 Distearate	0.1-0.5%	9005-08-7	n/a	
Glycereth-26	0.1-0.5%	31694-55-0	n/a	
Guar Hydroxypropyltrimonium Chloride	0.1-0.5%	65497-29-2	n/a	
Trimethylsiloxyamodimethicone	0.1-0.5%	n/a	n/a	
C11-15 Pareth-7	<0.1%	n/a	n/a	
C12-16 Pareth-9	<0.1%	68551-12-2	n/a	
Trideceth-12	<0.1%	24938-91-8	n/a	
Silicone Quaternium-16	<0.1%	n/a	n/a	
Undeceth-11	<0.1%	34398-01-1	n/a	
Butyloctanol	<0.1%	3913-02-8	223-470-0	
Undeceth-5	<0.1%	34398-01-1	n/a	
Polyquaternium-59	<0.1%	397297-15-3	n/a	
Butylene Glycol	<0.1%	107-88-0	203-259-7	
Panthenol	<0.1%	16485-10-2	240-540-6	
Cetrimonium Chloride	<0.1%	112-02-7	203-928-6	
Linoleamidopropyl PG-Dimonium Chloride Phosphate Dimethicone	0.1-0.5%	179005-04-0	n/a	
Methylisothiazolinone	0.0097%	2682-20-4	220-239-6	Xi, R43, S2
Citric Acid	<0.1%	77-92-9	201 069 1	
Ext. Violet 2/CI 60730	0.1-0.5%	4430-18-6	n/a	

Section 4. FIRST AID MEASURES

Skin Contact: Flush with copious amounts of water. If irritation persists seek medical attention.

Eye Contact: Flush with copious amounts of water. If irritation persists seek medical attention.

Ingestion: Do not ingest. Seek Medical attention.

Inhalation: If vapors or fumes cause irritation, remove exposed person to fresh air. If irritation persists seek medical attention

Section 5. FIRE FIGHTING MEASURES

Flammability Classification: This product is not flammable

Extinguishing Media: Use extinguishing media appropriate to surrounding fire conditions

Protective equipment: Use self contained breathing apparatus and protective clothing

Unusual Fire and Explosion hazards: None known

Section 6. ACCIDENTAL RELEASE MEASURES

Clean up method: Absorb/recover material. Place in waste container. Clean spillage area thoroughly contaminated surfaces will become slippery

Disposal method: Dispose of according to local, state/federal regulations. US disposal must be carried out under EPA, State and Federal laws.

Section 7. HANDLING and STORAGE

Storage: Keep in a cool, dry well ventilated place. Protect containers from extreme temperatures and damage. Store in correctly labeled containers in a hygienic environment.

Section 8. EXPOSURE CONTROLS and PERSONAL PROTECTION

Engineering Control: Ventilation- local exhaust

Respiration Control: Not required under normal use conditions

Occupation exposure controls: Keep away from food, drink and animal feeding stuffs

Protective Gloves: Optional

Eye & Face Protection: Avoid contact with eyes - goggles optional

Section 9: PHYSICAL and CHEMICAL PROPERTIES

pH: 6.0-7.0

Appearance: Dark purple, opaque, semi-viscous liquid

% Volatile/ Volume: 0.00%

Water Solubility soluble

Section 10. STABILITY and REACTIVITY

Stability Stable under normal conditions

Hazardous Polymerization: ____**X**_____Will not occur _____May occur

Incompatibility(*materials to avoid* **)** Strong Oxidizers and reducing agents

Conditions to avoid: Extreme Heat or freezing temperatures

Section 11. TOXICOLOGICAL INFORMATION

Acute Toxicity No specific toxicological testing has been carried out on this product. All ingredients have been incorporated under the controls of current legislation

Corrosivity May cause irritation to eyes

Repeated or Prolonged Exposure May cause irritation to skin

Section 12. ECOLOGICAL INFORMATION

Mobility Soluble in water

Degradability	Avoid uncontrolled release of this material in the environment. Not readily biodegradable.

Section 13. DISPOSAL CONSIDERATIONS

General Information	Dispose of in accordance with all local and national regulations
Packaging Disposal	Containers can be recycled in compliance with all local and national regulations

Section 14. TRANSPORT INFORMATION

Further Information	This product is not classified as a dangerous for carriage Not regulated by Department of Transportation (DOT)

Section 15. REGULATORY INFORMATION

Risk Phrases	NSH - No Significant Hazard
Safety Phrases	S2 - Keep Out of Reach of children S25 - Avoid Contact with Eyes
Further Information	Seek medical attention if irritation or symptoms persist Store in a cool dry area
TSCA	N/A
SARA Title III, Section 313(40CFR372)	N/A
California VOC	This formula contains 0% Volatile Organic Compounds
Guidance Notes	California Proposition 65- To the best of our knowledge, this products does not contain any ingredients that the State of California has found to cause cancer, birth defects or other reproductive abnormalities.

Section 16. OTHER INFORMATION

Text of Risk Phrases in Section 3	Xi - Irritant R43 - May cause sensitization by skin contact

Further Information	The information supplied in the Safety Data Sheet is designed only as guidance for the safe use and handling of the product. The information is correct to the best of our knowledge and belief at the date of publication, however, no guarantee is made to its accuracy.

SAFETY DATA SHEET

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards | SDS Revision: 1.0 | SDS Revision Date: 7/3/2017

1. PRODUCT & COMPANY IDENTIFICATION

1.1	Product Name:	**PULP RIOT PERMANENT HAIR COLORS**
1.2	Chemical Name:	Dye Solution
1.3	Synonyms:	Permanent Hair Colors
1.4	Trade Names:	Permanent Hair Colors
1.5	Product Uses & Restrictions:	Professional Cosmetic Use Only
1.6	Distributor's Name:	[redacted]
1.7	Distributor's Address:	[redacted]
1.8	Emergency Phone:	**CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 10069)**
1.9	Business Phone / Fax:	[redacted]

2. HAZARDS IDENTIFICATION

2.1 Hazard Identification:

This product is classified as a HAZARDOUS SUBSTANCE but NOT as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia).

WARNING! CAUSES MILD SKIN IRRITATION. CAUSES EYE IRRITATION. HARMFUL IF SWALLOWED.

Classification: Skin Irrit. 3; Eye Irrit. 2B; Acute Tox. Oral 4

Hazard Statements (H): H316 Causes mild skin irritation. H320 Causes eye irritation. H302 Harmful if swallowed.

Precautionary Statements (P): P264 Wash hands and exposed skin areas with soap and warm water thoroughly after handling. P270 Do not eat, drink or smoke while using this product. P280 Wear protective gloves and eye/face protection. P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P305+P351+P338 IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. P332+P313 If skin irritation occurs: get medical advice/attention. P405 Store locked up. P501 Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).

3. COMPOSITION & INGREDIENT INFORMATION

					EXPOSURE LIMITS IN AIR (mg/m³)								
					ACGIH		NOHSC			OSHA			
					ppm		ppm			ppm			
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	OTHER
AQUA (WATER/EAU)	7732-18-5	ZC0110000	231-791-2	25-80	NA	NA	NF	NF	NF	NA	NA	NA	
AMMONIUM HYDROXIDE	1336-21-6	BQ9625000	215-647-6	10.0	25	35	25	50	NF	25	NA	NA	25 NIOSH
	Skin Corr. 1B; Aquatic Acute 1; H314, H400												
P-PHENYLENEDIAMINE	106-50-3	NA	203-404-7	2	(0.1)	NA	NF	NF	NF	(0.1)	NA	NA	
	Acute Tox. 3 *; Eye Irrit. 2; Skin Sens. 1; H331, H311, H301, H319, H317												
m-AMINOPHENOL	591-27-5	NA	209-711-2	2	NA	NA	NF	NF	NF	NA	NA	NA	
1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE SULFATE	155601-30-2	NA	209-711-2	2	NA	NA	NF	NF	NF	NA	NA	NA	
N,N-BIS-HYDROXYETHYL-p-PHENYLENEDIAMINE SULFATE	54381-16-7	NA	259-134-5	2	NA	NA	NF	NF	NF	NA	NA	NA	
	Acute Tox. 3; Skin Sens. 1; Eye Irrit. 2; H301, H317, H319												
2-METHYLRESORCINOL	608-25-3	VH2009500	210-155-8	2	NA	NA	NF	NF	NF	NA	NA	NA	
	Acute Tox. 3; Skin Sens. 1; Eye Dam. 1; Aquatic Acute 1; H301, H317, H318, H400												
RESORCINOL	108-46-3	VG9625000	203-585-2	2	NA	NA	NF	NF	NF	NA	NA	NA	
P-AMINOPHENOL	591-27-5	NA	209-711-2	2	NA	NA	NF	NF	NF	NA	NA	NA	
PROPRIETARY INGREDIENTS	NA	NA	NA	BAL	NA	NA	NF	NF	NF	NA	NA	NA	

4. FIRST AID MEASURES

4.1 First Aid:

Ingestion: If ingested, DO NOT induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.

Eyes: Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.

Skin: If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.

Inhalation: Remove victim to fresh air at once.

4. FIRST AID MEASURES – cont'd

4.2	Effects of Exposure:	Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea. Eyes: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. Skin: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. Inhalation: None expected.
4.3	Symptoms of Overexposure:	Overexposure in eyes may cause redness, itching and watering. Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.
4.4	Acute Health Effects:	Moderate irritation to eyes. Symptoms of overexposure may include redness, itching, stinging, irritation and watering. Moderate irritation to skin near affected areas.
4.5	Chronic Health Effects:	No harmful or chronic health effects are expected to occur from a single accidental ingestion.
4.6	Target Organs:	Eyes, skin
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes and skin).

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARDS	1
PROTECTIVE EQUIPMENT	B
EYES / SKIN	

5. FIREFIGHTING MEASURES

5.1	Fire & Explosion Hazards:	This product is not flammable.
5.2	Extinguishing Methods:	CO_2, Halon (if permitted), Dry Chemical, Foam, as authorized.
5.3	Firefighting Procedures:	As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

6. ACCIDENTAL RELEASE MEASURES

6.1	Spills:	Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (PPE). Keep incompatible materials (e.g., organics such as oil) away from spill. For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows). Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. For large spills (e.g., □ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

7. HANDLING & STORAGE INFORMATION

7.1	Work & Hygiene Practices:	Do not eat, drink, or smoke while handling this product. Wash thoroughly after handling. Avoid contact with flammable or combustible materials. Avoid contamination from any source, including metals, dust and organic materials. Keep bulk covered. Wash unintentional residues with soap and warm water.
7.2	Storage & Handling:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat and open flames. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage.
7.3	Special Precautions:	Spilled material may present a slipping hazard if left unattended. Clean all spills promptly.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Exposure Limits: ppm (mg/m^3)		ACGIH		NOHSC			OSHA			OTHER
		CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
		P-PHENYLENEDIAMINE	NA	NA	NF	0.1	NF	NA	NA	25	
		AMMONIUM HYDROXIDE	25	35	25	50	NF	25	NA	NA	25 NIOSH
8.2	Ventilation & Engineering Controls:	When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.									
8.3	Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.									
8.4	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.									
8.5	Hand Protection:	If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.									
8.6	Body Protection:	However, no special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.									

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Appearance:	Colored Cream
9.2	Odor:	Perfumed, mild floral odor
9.3	Odor Threshold:	NA
9.4	pH:	9.5-11.0
9.5	Melting Point/Freezing Point:	NA
9.6	Initial Boiling Point/Boiling Range:	NA
9.7	Flashpoint:	NA
9.8	Upper/Lower Flammability Limits:	NA
9.9	Vapor Pressure:	NA
9.10	Vapor Density:	NA
9.11	Relative Density:	0.97-1.02 g/mL
9.12	Solubility:	Soluble
9.13	Partition Coefficient (log P_{ow}):	NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	NA
9.17	Other Information:	NA

10. STABILITY & REACTIVITY

10.1	Stability:	This product is stable.
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO_2) and sulfur (SO_2).
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks and high heat, direct sunlight.
10.5	Incompatible Substances:	Store away from flammable liquids, flammable solids, aerosols and other incompatible materials (e.g., reducing materials, combustible materials, metal contamination like iron, copper their alloys). Avoid contamination. Do not store any tint, lightener lotion or bleach powder after it has been mixed with developer; the container may rupture. Never return unused material to original container. Avoid extreme heat and ignition sources.

11. TOXICOLOGICAL INFORMATION

11.1	Routes of Entry:	Inhalation:	YES	Absorption:	YES	Ingestion:	YES
11.2	Toxicity Data:	This product has not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature, but are not listed on this Safety Data Sheet.					
11.3	Acute Toxicity:	See section 4.4					
11.4	Chronic Toxicity:	See section 4.5					
11.5	Suspected Carcinogen:	This product contains p-Phenylenediamine and Resorcinol, which are not carcinogenic to humans, but are listed as Group 3 carcinogens by IARC. This product contains p-Phenylenediamine, which is on ACGIH's list A4.					

11. TOXICOLOGICAL INFORMATION – cont'd

11.6	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.
11.7	Irritancy of Product:	See Section 4.3.
11.8	Biological Exposure Indices:	NE
11.9	Physician Recommendations:	Treat symptomatically.

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability:	There is no specific data available for this product.
12.2	Effects on Plants & Animals:	There is no specific data available for this product.
12.3	Effects on Aquatic Life:	There is no specific data available for this product.

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal:	Dispose of in accordance with federal, state and local regulations.
13.2	Special Considerations:	NA

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

14.1	49 CFR (GND):	NOT REGULATED
14.2	IATA (AIR):	NOT REGULATED
14.3	IMDG (OCN):	NOT REGULATED
14.4	TDGR (Canadian GND):	NOT REGULATED
14.5	ADR/RID (EU):	NOT REGULATED
14.6	SCT (MEXICO):	NOT REGULATED
14.7	ADGR (AUS):	NOT REGULATED

15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements:	This product contains Isopropanol and p-Phenylenediamine substances subject to SARA Title III, section 313 reporting requirements.
15.2	SARA Threshold Planning Quantity:	There are no specific Threshold Planning Quantities for the components of this product.
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
15.4	CERCLA Reportable Quantity (RQ):	P-Phenylenediamine: 2,270 kg (5,000 lbs).
15.5	Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics). This material does not contain any hazardous air pollutants. None of the components in this product are listed as priority pollutants under the CWA. None of the components in this product are listed as toxic pollutants under the CWA.
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. WHMIS D2B (Other Toxic Effects)
15.7	State Regulatory Information:	Resorcinol is listed on the following state criteria lists: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), New Jersey Right-to-Know List (NJ), Pennsylvania Right-to-Know List (PA), and Washington Permissible Exposures List (WA). p-Phenylenediamine is found on the following state criteria list: FL, MA, MN, NJ, PA and WA. p-Phenylenediamine is found on the following state criteria list: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), Pennsylvania Right-to-Know List (PA), and Washington Permissible Exposures List (WA). Ammonium Hydroxide (as ammonia) can be found on the following state criteria list: IL, MA, NJ, PA and RI. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI). California Proposition 65: **WARNING!** This product may contain chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

15. REGULATORY INFORMATION – cont'd

15.8	Other Requirements:	The primary components of this product are listed in Annex I of EU Directive 67/548/EEC: Ammonium Hydroxide: Irritant (Xi). Risk Phrases (R): 22-36/37/38 Harmful if swallowed. Irritating to eyes, respiratory system and skin. Safety Phrases (S): 1/2-26-36/37/39-45-61 Keep locked up and out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. If case of accident or if you feel unwell seek medical advice immediately (show the label where possible). Avoid release to the environment. Refer to special instructions/safety data sheet. p-Phenylenediamine: Harmful (Xn). Risk Phrases (R): 43 May cause sensitization by skin contact. Safety Phrases (S):1/2-28-36/37 Keep locked up and out of reach of children. After contact with skin, was immediately with plenty of water. Wear suitable protective clothing and gloves.	

16. OTHER INFORMATION

16.1	Other Information:	**WARNING! CAUSES MILD SKIN IRRITATION. CAUSES EYE IRRITATION. HARMFUL IF SWALLOWED.** For external use only. Use only as directed. Discontinue use immediately if irritation develops. Wash hands and exposed skin areas with soap and warm water thoroughly after handling. Do not eat, drink or smoke while using this product. Wear protective gloves and eye/face protection. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If skin irritation occurs: get medical advice/attention. Store locked up. **KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.**
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of Hair Systems knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.
16.4	Issued by:	[redacted]

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
C	Ceiling Limit
ES	Exposure Standard (Australia)
IDLH	Immediately Dangerous to Life and Health
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short-Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

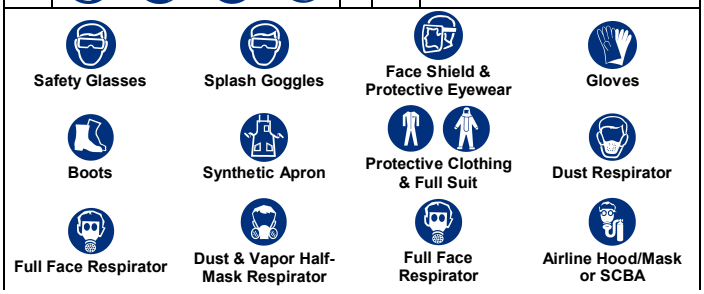
HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	
G	
H	
I	
J	
K	
X	**Consult your supervisor or SOPs for special handling directions.**



OTHER STANDARD ABBREVIATIONS:

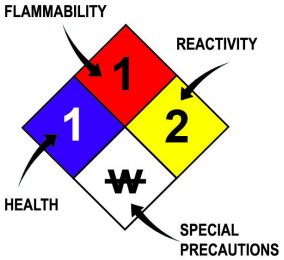
ML	Maximum Limit
mg/m3	milligrams per cubic meter
NA	Not Available
ND	Not Determined
NE	Not Established
NF	Not Found
NR	No Results
ppm	parts per million
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:	
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



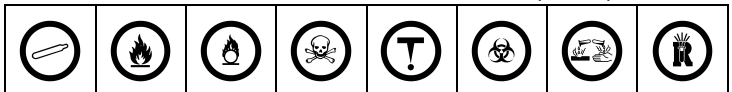
TOXICOLOGICAL INFORMATION:

LD_{50}	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s
LC_{50}	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD_{lo}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD_{lo}, LD_{lo}, & LD_o or TC, TC_o, LC_{lo}, & LC_o	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{OW} or log K_{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NOHSC	National Occupational Health and Safety Commission (Australia)
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)
HMIS-III	National Paint & Coatings Association Hazardous Materials Identification System

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

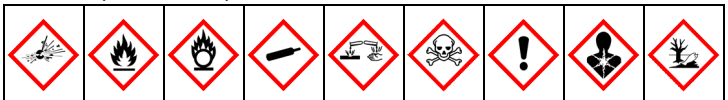


Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:



GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

[redacted]

******SAFETY DATA SHEET******

CHEMICAL IDENTITY	CAS #	EINECS#	% (In Total Formula)	FLASHPOINT	OTHER
Isobutane	75-28-5	200-857-2	38 - 46	- 132.23ºF	1,3-butadiene < 1ppm
Alcohol Denat.	64-17-5	200-578-6	3 - 15	55ºF	Denatured
Propane	74-98-6	200-827-9	35 - 50	- 156ºF	1,3-butadiene < 1ppm

3.1	Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance.
None present	
3.2	▪ Mixture: The chemical identity and concentration or concentration ranges of all ingredients which are hazardous within the meaning of the GHS and are present above their cut-off levels. ▪ Cut-off level for reproductive toxicity, carcinogenicity and category 1 mutagenicity is ³ 0.1% Cut-off level for all other hazard classes is ³ 1% ***NOTE***: *For information on ingredients, the competent authority rules for CBI take priority over the rules for product identification.*
None present	

4. FIRST AID MEASURES

4.1	**First Aid:** INGESTION: Drink enough water to dilute. Consult physician immediately EYES: Flush eyes with plenty of water to ensure complete flushing. e.g., Eye wash station for 15 minutes. If irritation persists, seek medical attention SKIN: Wash thoroughly with mild soap and water. If irritation persists, seek medical attention INHALATION: Remove victim to fresh air at once. If breathing is difficult, seek medical attention
4.2	**Medical Conditions Aggravated by Exposure:** Pre-existing respiratory and skin disorder.

5. FIREFIGHTING MEASURES

5.1	**Extinguishing Methods: (suitable and unsuitable)**	CO_2, Foam, Dry Chemical, and Water Spray
5.2	**Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products).**	Closed containers exposed to excessive heat may rupture. Do not crush or puncture containers.
5.3	**Special protective equipment and precautions for firefighters.**	Fire should be fought from a safe distance. Firefighters should wear full face, self-contained breathing apparatus, and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1	**Personal precautions, protective equipment and emergency procedures:**	Depending on extent of release, consider the need for fire fighters/emergency responders with adequate personal protective equipment for cleaning up. Do not eat, drink, or smoke while cleaning up.
6.2	**Ventilation**	Use with adequate ventilation
6.3	**Respiratory**	None required, when used with adequate ventilation
6.4	**Environmental Precautions:**	Do not dispose of product into storm drains or waterways.
6.5	**Methods and materials for containment and cleaning up**.	Exclude sources of ignition and ventilate the area. Avoid breathing vapors. Refer to protective measures in section 7 and 8. Product is packed in aerosol containers. Dispose of any leaking aerosols per site instructions after placing in safe fireproof containers with leaking material absorbed by earth or other non-flammable absorbent.

[redacted]

******SAFETY DATA SHEET******

7. HANDLING & STORAGE INFORMATION	
7.1	**Precautions for Safe Handling:** Wash hands thoroughly after using this product and before eating, drinking, or smoking
7.2	**Conditions for safe storage, including any incompatibilities.** Keep away from excessive heat, open flames, sparks, and other possible source of ignition. Do not store in damaged or unmarked containers or storage devices. For warehouse storage, pallets and cases should be placed to avoid damage or rupture from material handling equipment. With use, spray aerosol carefully and cap after each use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1	**Control parameters, e.g., occupational exposure limit values or biological limit values.**
8.2	**Appropriate engineering controls.**
8.3	**Personal Protective Equipment:** None required under normal conditions of use. When handling large quantities (e.g., ≥ 1 gallon), wear protective eyeglasses, gloves, boot, and apron per OSHA regulations (29 CFR 1910.133)

CHEMICAL IDENTITY	CAS #	EINECS#	EXPOSURE LIMITS IN AIR		OTHER
			TLV ppm	PEL ppm	
Isobutane	75-28-5	203-448-7	800	800	Unknown
Alcohol Denat.	64-17-5	201-142-8	1000	1000	Unknown
Propane	74-98-6	200-827-9	1000	1000	Unknown

9. PHYSICAL & CHEMICAL PROPERTIES - TENTATIVE

ND = NO DATA / N/A = NOT APPLICABLE

		CONCENTRATE:	AEROSOLIZED PRODUCT:
9.1a	**Appearance:**	Opaque liquid which settles upon standing to a clear liquid with a thick powder layer at bottom.	Strong Spray
9.1b	**Color:**	Off-White	Off-White
9.1c	**Specific Gravity:**	Approx. 1.0	N/A
9.1d	**Viscosity:**	N/A	N/A
9.2	**Odor**	TO MATCH STANDARD	TO MATCH STANDARD
9.3	**Odor Threshold**	TO MATCH STANDARD	TO MATCH STANDARD
9.4	**pH:**	N/A	N/A
9.5	**Melting point/freezing point**	ND	N/A
9.6	**Initial Boiling Point and Boiling Range:**	ND	N/A
9.7	**Flashpoint:**	ND	N/A
9.8	**Evaporation Rate**	ND	N/A
9.9	**Flammability: solid/gas**	ND	N/A
9.10	**Upper/lower flammability or explosive limits**	ND	N/A
9.11	**Vapor pressure**	ND	N/A
9.12	**Vapor density**	ND	N/A
9.13	**Relative density**	See Specific Gravity	N/A
9.14	**Solubility(ies)**	ND	N/A
9.15	**Partition coefficient: n-octanol/water**	ND	N/A
9.16	**Autoignition temperature**	ND	N/A
9.17	**Decomposition temperature**	ND	N/A
9.18	**Volatile Organic Compounds (VOC) %**	ND	VOC = >75.0%

10. STABILITY & REACTIVITY

10.1	**Chemical Stability:**	Stable under normal conditions of use

10.2	**Possibility of hazardous reactions:**	Hazardous polymerization will not occur.
10.3	**Conditions to Avoid:**	Use or storage near open flames, sparks, high heat (>100°F) or other heat sources
10.5	**Incompatible Substances:**	Strong oxidizing agents
10.2	**Hazardous Decomposition Products:**	Irritating vapors and toxic gases when involved in fire

11. TOXICOLOGICAL INFORMATION

11.1	**TYPES OF EXPOSURE:**								
	ROUTES OF EXPOSURE:	**Skin**	X	**Inhalation**	X	**Eyes**	X	**Ingestion**	X

	HEALTH EFFECTS OF EXPOSURE:	**IMMEDIATE**	**CHRONIC**
	INGESTION:	May cause gastrointestinal irritation	Seek medical attention if symptoms persist.
	EYES:	Liquid and vapor may cause mild to severe eye irritation.	Seek medical attention if symptoms persist.
	SKIN:	Repeated contact may cause irritation and drying of the skin. **Contact with propellant may cause freeze burns.**	Seek medical attention if symptoms persist.
	INHALATION:	Vapor may cause irritation to the upper respiratory tract	Seek medical attention if symptoms persist.

12. ECOLOGICAL INFORMATION

12.1	There is no date on the product itself.
12.2	Eco-toxicity (aquatic and terrestrial, where available). Persistence and degradability. Bio-accumulative potential. Mobility in soil. Other adverse effects: There is no data available on the product itself.
12.3	The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface water.

13. DISPOSAL CONSIDERATIONS

13.1	Dispose of in accordance with federal, state or local regulations.

14. TRANSPORTATION INFORMATION

14.1 SHIPPING NAME

49CFR (GND) CONSUMER COMMODITY, ORM-D (≤ 1.0L)
or
Regulated 49 CFR (GND) UN1950, AEROSOLS, FLAMMABLE, 2.1, "LTD. QTY."
or
Regulated 49 CFR (GND) UN1950, AEROSOLS, FLAMMABLE, 2.1
or
Regulated IATA (AIR) ID 8000, CONSUMER COMMODITY, 9
or
Regulated IATA (AIR) UN 1950, AEROSOLS, FLAMMABLE, 2.1, "LTD. QTY."
or
Regulated IATA (AIR) UN 1950, AEROSOLS, FLAMMABLE, 2.1
or
Regulated IMDG (OCN) UN1950, AEROSOLS, FLAMMABLE, 2.1, "LTD. QTY."
EMS # F-D, S-U
Regulated or
IMDG (OCN) UN1950, AEROSOLS, FLAMMABLE, 2.1

<u>CHOOSE FROM THE FOLLOWING SYMBOLS:</u>

14.2	HAZCHEM CODE:	Regulated	Aerosol Level: (3)
14.3	MARINE POLLUTANT:	N	49 CFR APPENDIX B SECTION 172.101

15. REGULATORY INFORMATION

15.1	Contents of this SDS comply with the OSHA Hazard Communication Standard CFR 1910.1200: *The Globally Harmonized System of Classification and Labelling of Chemicals* (GHS)
15.2	**EPA SARA Title III Chemical Listings** Section 302 Extremely Hazardous Substances: None Section 304 CERCLA Hazardous Substances: None Section 313 Toxic Chemicals: None present or none present in regulated quantities.
15.3	California Proposition 65: Beta Myrcene (indirect from natural food sources)
	UN GHS: Globally Harmonized System of Classification and Labelling of Chemicals (GHS) ("The Purple Book"), United Nations, 2005 First Revised Edition, available online or from United Nations Publications. UN GHS website
	USA: Federal Hazardous Materials Transportation Law (49 U.S.C. 5101 *et seq.*).
	USA: OSHA Hazard Communication Standard 29 CFR 1910.1200.

16. OTHER INFORMATION: including information on preparation and revision of the SDS

16.1	Version: 1 Revision: 0 Date: 2017-06-27 Author/Initials: Victoria C. Voss / VCV
16.2	**Disclaimer:** This Safety Data Sheet is offered pursuant to **Globally Harmonized System[2](GHS)** OSHA's Hazard Communication Standard, 29 CFR § 1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of 2-2-0 Laboratories Inc.'s knowledge, the information contained herein is reliable and accurate as of the date issued; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided.
16.3	**Definitions:** ***Aerosols*** means any non-refillable receptacles made of metal, glass or plastics and containing a gas compressed, liquefied or dissolved under pressure, with or without a liquid, paste or powder, and fitted with a release device allowing the contents to be ejected as solid or liquid particles in suspension in a gas, as a foam, paste or powder or in a liquid state or in a gaseous state. Aerosol includes aerosol dispensers. ***Mixture*** means a mixture or a solution composed of two or more substances in which they do not react. ***CBI*** means "confidential business information". **Carcinogenicity**: Carcinogen means a chemical substance or a mixture of chemical substances which induce cancer or increase its incidence. Substances and mixtures in this hazard class are assigned to one of two hazard categories. Category 1 has two subcategories. The Carcinogenicity Guidance Section in the GHS Document includes comments about IARC. ***AEL*** is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence (DuPont™ DYMEL A propellant – Material Safety Data Sheet Version 2.2, 11-02-2011).