# SAFETY DATA SHEET

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

	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:					
1.7	Distributor's Address:					
1.8	Emergency Phone:	CHEMTEL: +1 (800) 255-3924 / +01-813-248-0585				
1.9	Business Phone / Fax:					
1						

# 2. HAZARDS IDENTIFICATION

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 22 Label Flements: 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 -



disposal facility (TSDF). Other Warnings: 2.3 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.

Store locked up. P501 - Dispose of contents/container to a licensed treatment, storage or

## 3. COMPOSITION & INGREDIENT INFORMATION

							EXPO	SURE L	IMITS IN	I AIR (m	g/m³)		
					AC	ACGIH		NOHSC			OSHA		
					p	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	8012-95-1	PY8030000	232-384-2	3-10	5	10	NF	5	NF	5	10	2500	MIST
MINERAL OIL)	Asp. Tox. 1; F	1304											
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; H3		Tara	. 4 0	1 110	L NIA	NE	NE	NE		110		
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	7722-88-5	UX7350000	231-767-1	< 1.0	5	NA	5	NF	NF	5	NA	NA	
PYROPHOSPHATE	Eye Irrit. 2; H3	19	•		1			U U					•
ETIDRONIC ACID	2809-21-4	SZ8562100	220-552-8	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Met. Corr. 1; A	cute Tox. 4; Eye	Dam. 1; H290,	H302, H31	8								
PHOSPHORIC ACID	7664-38-2	TB6300000	231-633-2	< 1.0	(1)	(3)	NF	NF	NF	NA	NA	1000	
	Skin Corr. 1B;	H314											

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			4. FIRST AID MEASURES		
4.1	First Aid:	Ingestion:  Eyes: Skin:	If ingested, do not induce vomiting. If product has IMMEDIATELY. If the patient is vomiting, continue to continue to continue to continue to continue to the continue to the stimate of the time at which the material was ingest swallowed.  Splashes are not likely; however, if product gets in the water for at least 15 minutes. Seek immediate medical of irritation occurs and product is on the skin, rinse thorowashing of the affected area with soap and water. If physician immediately.	offer water or milk. Never give we collected or local emergency nusted and the amount of the sure eyes, flush with copious amount of the sure tention.	rater or milk to mber. Provide bstance that unts of lukew wed by a thoro
4.2	Effects of Exposure:	Inhalation: Ingestion:	Remove victim to fresh air at once.  If product is swallowed, may cause nausea, vomiting and	d/or diarrhaa	
7.2	Encode of Expedition	Eyes:  Skin:  Inhalation:	May be irritating to skin. The product can cause allerg some sensitive individuals.  None expected.	posure may include redness, itcl	
4.3	Symptoms of Overexposure:	include redr	ure in eyes may cause severe damage, redness, itching an ness, itching, and irritation of affected areas. The produ atitis) in some sensitive individuals.		
4.4	Acute Health Effects:		ation to eyes. Symptoms of overexposure may include ritation to skin near affected areas.	redness, itching, stinging, irritat	ion and water
4.5	Chronic Health Effects:	No harmful o	or chronic health effects are expected to occur from a sing	e accidental ingestion.	
4.6	Target Organs:		Respiratory System		
4.7	Medical Conditions Aggravated by Exposure:		dermatitis, other skin conditions, and disorders of the s (eyes, skin, and respiratory system).		1
		target organi	is (cycs, skin, and respiratory system).	FLAMMABILITY	0
				PHYSICAL HAZARDS	1
				PROTECTIVE EQUIPMEN	т В
				EYES SKIN	
			5. FIREFIGHTING MEASURES		
5.1	Fire & Explosion Hazards:	This product	t is not flammable.		
5.2	Extinguishing Methods:	<del></del>	(if permitted), Dry Chemical, Foam, as authorized.		
5.3	Firefighting Procedures:	demand) an spray to coo fire control of Firefighters breathing ap	fire, wear MSHA/NIOSH approved self-contained bread full protective gear. Keep containers cool until well afted fire-exposed surfaces and to protect personal. Fight fire or dilution from entering sewers, drains, drinking water sup must use full bunker gear including NIOSH-approved pospparatus to protect against potential hazardous combustion deficiencies.	er the fire is out. Use water upwind. Prevent runoff from ply, or any natural waterway. itive pressure self-contained	101
			6. ACCIDENTAL RELEASE MEASU	RES	
6.1	Spills:	Equipment (	aning any spill or leak, individuals involved in spill clea (PPE). Keep incompatible materials (e.g., organics such a	nup must wear appropriate Pessoil) away from spill.	
		Maximize v	<u>spills</u> (e.g., < 1 gallon (3.8 L)) wear appropriate person rentilation (open doors and windows). Remove spilled		
		Wash all af clothing and For large s material (e.containers f	closed container(s) for disposal. Dispose of properly in act ffected areas and outside of container with plenty of was disposed wash thoroughly before reuse.  spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unproteing, sand or earth). Transfer liquid to containers for recove for proper disposal. Remove contaminated clothing promer spills and cleaning runoffs out of municipal sewers and or	ecordance with local, state and form water and soap. Remove a ted individuals. Dike and contry or disposal and solid diking maptly and wash affected skin are	ederal regulation  any contamina  ain spill with a  aterial to sepa
		Wash all af clothing and For large s material (e.containers f water. Keep	ffected areas and outside of container with plenty of wash thoroughly before reuse.  spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unproteg, sand or earth). Transfer liquid to containers for recove for proper disposal. Remove contaminated clothing pron	ecordance with local, state and form water and soap. Remove a cted individuals. Dike and contry or disposal and solid diking maptly and wash affected skin are pen bodies of water.	ederal regulation  any contamina  ain spill with a  aterial to sepa
7.1	Work & Hygiene Practices:	Wash all af clothing and For large si material (e.g. containers f water. Keep  Do not eat, combustible covered. Wa	ffected areas and outside of container with plenty of wash thoroughly before reuse.  spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unproteing, sand or earth). Transfer liquid to containers for recove for proper disposal. Remove contaminated clothing promp spills and cleaning runoffs out of municipal sewers and one of the containers for recovery for proper disposal. Remove contaminated clothing promp spills and cleaning runoffs out of municipal sewers and one of the containers for recovery for proper disposal. Remove contaminated clothing promp spills and cleaning runoffs out of municipal sewers and one of the containers for recovery for proper disposal sewers and one of the containers for recovery for proper disposal sewers and one of the containers for recovery for proper disposal sewers and one of the containers for recovery for proper disposal sewers and one of the containers for recovery for proper disposal sewers and one of the containers for recovery for proper disposal sewers and one of the containers for recovery for proper disposal. Remove contaminated clothing promp property for proper disposal sewers and one of the containers for recovery for proper disposal sewers and one of the containers for recovery for proper disposal sewers and one of the containers for recovery for proper disposal sewers and one of the containers for proper disposal sewers and one of the containers for proper disposal sewers and one of the containers for recovery for proper disposal sewers and one of the containers for proper disposal sewers and one of the containers for proper disposal sewers and one of the containers for proper disposal sewers and one of the containers for proper disposal sewers and one of the containers for proper disposal sewers and one of the containers for proper disposal sewers and one of the containers for proper disposal sewers and one of the containers for proper disposal sewers and one of the containers for proper disposal sewers and one of the containers for proper disposal sewers and one o	ecordance with local, state and form water and soap. Remove attended individuals. Dike and contry or disposal and solid diking maptly and wash affected skin are pen bodies of water.  ATION  hly after handling. Avoid contacting metals, dust and organic magnetic magnetic states and solid contacting metals, dust and organic magnetic states.	ederal regulationary contamination spill with a serial to separate with soap with flammable terials. Keep I
7.1	Work & Hygiene Practices:  Storage & Handling:	Wash all af clothing and For large symaterial (e.g. containers f water. Keep  Do not eat, combustible covered. Was Use and sto	ffected areas and outside of container with plenty of wash thoroughly before reuse.  spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unproteings, sand or earth). Transfer liquid to containers for recover for proper disposal. Remove contaminated clothing promps spills and cleaning runoffs out of municipal sewers and of the containers for recover for proper disposal. Remove contaminated clothing promps spills and cleaning runoffs out of municipal sewers and of the containers for recover for proper disposal. Remove contaminated clothing promps spills and cleaning runoffs out of municipal sewers and of the containers are spilled in the containers for recover for proper disposal. Remove contaminated clothing promps spills and cleaning runoffs out of municipal sewers and of the containers for recover for proper disposal. Remove contaminated clothing promps and cleaning runoffs out of municipal sewers and of the containers for recover for proper disposal. Remove contaminated clothing promps spills and cleaning runoffs out of municipal sewers and of the containers for recover for proper disposal. Remove contaminated clothing promps spills and cleaning runoffs out of municipal sewers and of the containers for recover for proper disposal. Remove contaminated clothing promps sewers and of municipal sewers and	coordance with local, state and form water and soap. Remove a cted individuals. Dike and contry or disposal and solid diking maptly and wash affected skin are pen bodies of water.  ATION  The hly after handling. Avoid contacting metals, dust and organic magnet wast ventilation, fans). Keep aways water and solid contacting metals, dust and organic magnet wast ventilation, fans).	ederal regulation and contamination spill with atterial to separate with soap with flammable terials. Keep leave from excess

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	<b>.</b>	8. EXPOSURE CONT			RSON		ROTEC	CTION			
8.1	Exposure Limits:		AC	GIH		NOHSC			OSHA	1	OTHER
	ppm (mg/m³)	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	
		PARAFFINUM LIQUIDUM	5	10	NF	5	NF	5	10	2500	MIST
		(MINERAL OIL)									WIIOT
		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	When working with large quantities							aust ven	tilation,	fans). Ensu
	Controls:	that an eyewash station, sink or w									
8.3	Respiratory Protection:	No special respiratory protection									
		necessary, use only respiratory §1910.134, or applicable U.S. sta									
		E.C. member states, or Australia.	ic regula	tions, or	uic approp	mate sta	indards of	Odriada,	ito piovi	11003,	
8.4	Eye Protection:	AVOID EYE CONTACT DUE TO	IRRITA	TION PO	TENTIAL	Wear	protective	e eyewea	r (e.g., s	afety	_
		glasses with side-shield) at all tir	nes whe	n handlir	ig large q	uantities	e.g., ≥ 1	gallon (	3.8 L)) o	f this	
		product. Always use protective e				or leaks	s. Contact	t lenses p	ose a sp	pecial	
		hazard; soft lenses may absorb ar									
8.5	Hand Protection:	AVOID SKIN CONTACT DUE TO									of the same
		skin contact will occur during use									I S
		If necessary, refer to U.S. OSHA member states.	29 CFR (	31910.13	8, the app	ropriate	standards	or Canad	ia, or the	E.C.	
8.6	Body Protection:	AVOID SKIN CONTACT DUE TO	CENCIT	IZING D	STENTIAL	Номо	vor no on	ooial bad	v protoot	ion io	
		required under typical circumstant									
		of Canada, the E.C. member state			namig. ii	11000000	ry, refer to	арргорг	ate stant	aurus	
		,									
		9. PHYSICAL	& CH	EMIC/	AL PRO	OPER	TIES				
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	NA									
9.7	Range: 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 Pow):	NA									
9.14	Autoignition Temperature:	NA									
9.15	Decomposition Temperature:	NA									
9.16	Viscosity:	NA									
9.17	Other Information:	NA									
		40.00	<del></del>		- 4 6=::						
		10. STA	RILL	Y & R	EAC II	VIIY					
10.1	Stability:	This product is stable.									
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO <sub>2</sub> ) and	sulfur (SC	D <sub>2</sub> ). Liber	ation of ga	as my res	sult in danç	gerous pr	essure.		
10.3	Hazardous Polymerization:	Will not occur.									
10.4	Conditions to Avoid:	Open flames, sparks and high hea									
10.5	Incompatible Substances:	Store away from flammable liqu									
		materials, combustible materials,									
		any tint, lightener lotion or bleac							containe	r may	rupture. Ne
	i	return unused material to original	containei	. Avoid e	xtreme he	at and id	nition soul	ces.			

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision Date: 4/7/2017 SDS Revision: 1.0 11. TOXICOLOGICAL INFORMATION Absorption: YES Routes of Entry: 11 1 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 Suspected Carcinogen: 11.5 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. Irritancy of Product: See Section 4.2 11.7 11.8 Biological Exposure Indices: NE 11.9 Physician Recommendations: Treat symptomatically. 12. ECOLOGICAL INFORMATION Environmental Stability: 12 1 There are no specific data available for this product. Effects on Plants & Animals: 122 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 Waste Disposal: 13.1 Dispose of in accordance with federal, state and local regulations. Special Considerations: 13.2 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** ADR/RID (EU): 14.5 **NOT REGULATED** 14.6 SCT (MEXICO): NOT REGULATED ADGR (AUS): NOT REGULATED 14.7 15. REGULATORY INFORMATION SARA Reporting This product contains Phosphoric Acid, a substance subject to SARA Title III, Section 313 reporting requirements. 15.1 Requirements 15.2 SARA TPQ: There are no specific Threshold Planning Quantities for the components of this product. TSCA Inventory Status: 15.3 The components of this product are listed on the TSCA Inventory. CERCLA Reportable Quantity: 15.4 Phosphoric Acid: 5,000 lbs (2,270 kg) 15.5 This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR Subchapter G, Other Federal Requirements (Cosmetics). Other Canadian Regulations: 15.6 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

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		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:						
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					

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## **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

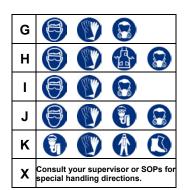
### **HEALTH, FLAMMABILITY & REACTIVITY RATINGS:**

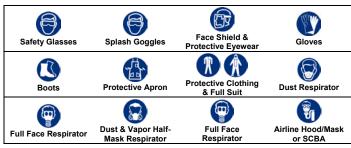
0	Minimal Hazard			
1	Slight Hazard			
2	Moderate Hazard			
3	Severe Hazard			
4	Extreme Hazard			



#### PERSONAL PROTECTION RATINGS:

Α			
В			
С		THE STATE OF THE S	
D	(EL)	THE STATE OF THE S	
Ε			
F		TH.	





### 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	DT 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	FLAMMABILITY		
1	Slight Hazard	\		
2	Moderate Hazard	REACTIVITY		
3	Severe Hazard			
4	Extreme Hazard			
ACD	Acidic			
ALK	Alkaline			
COR	Corrosive	/ <b>\ \ \</b> \ <b>\</b>		
W	Use No Water	HEALTH		
ох	Oxidizer	SPECIAL		
TREFOIL	Radioactive	PRECAUTIONS		

#### TOXICOLOGICAL INFORMATION:

LD <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals			
LC <sub>50</sub>	Lethal concentration (gases) which kills 50% of the exposed animal			
ppm	Concentration expressed in parts of material per million parts			
TD <sub>io</sub>	Lowest dose to cause a symptom			
TCLo	Lowest concentration to cause a symptom			
TD <sub>Io</sub> , LD <sub>Io</sub> , & LD <sub>o</sub> or	Lowest dose (or concentration) to cause lethal or toxic effects			
TC, TCo, LCio, & LCo				
IARC	International Agency for Research on Cancer			
NTP	National Toxicology Program			
RTECS	Registry of Toxic Effects of Chemical Substances			
BCF	Bioconcentration Factor			
TL <sub>m</sub>	Median threshold limit			
log Kow or log Koc	Coefficient of Oil/Water Distribution			
0 0.1 00				

# 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	TSCA U.S. Toxic Substance Control Act				
EU	EU European Union (European Union Directive 67/548/EEC)				
WGK	Wassergefährdungsklassen (German Water Hazard Class)				

## WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

0	<b>®</b>		<b>②</b>	$\Theta$	(%)		
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:

	<b>③</b>		$\Diamond$			$\Diamond$		*
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment