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I

1. PRODUCT & COMPANY IDENTIFICATION         11       Product Name:       PULPRIOT SEMI-PERMANENT HAIR COLOR – ALL SHADES         12       Chemical Name:       NA         13       Synoyms:       PULPRIOT         14       Trade Names:       Pulpriot Semi-Permanent Hair Color – All Shades         15       Product Use:       Professional Cosmetic Use Only         16       Distributor's Address:       Distributor's Address:         17       Distributor's Address:       CHEMTEL: +1 (800) 255-3924 / +1 (813) 248-0585         19       Business Phone / Fax:       CHEMTEL: +1 (800) 255-3924 / +1 (813) 248-0585         19       Business Phone / Fax:       CHEMTEL: +1 (800) 255-3924 / +1 (813) 248-0585         19       Business Phone / Fax:       CHEMTEL: +1 (800) 255-3924 / +1 (813) 248-0585         19       Business Phone / Fax:       CHEMTEL: +1 (800) 255-3924 / +1 (813) 248-0585         2.1       Hazard Identification:       This product is classified as a HAZARDOUS SUBSTANCE but NOT as DANGEROUS GOODS accordi 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.         Precauti	ing to the
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 Cosmetic Use Only         1.6       Distributor's Name:       1.7         1.7       Distributor's Adress:       1.8         1.8       Emergency Phone:       CHEMTEL: +1 (800) 255-3924 / +1 (813) 248-0585         1.9       Business Phone / Fax:         C HAZARDS IDENTIFICATION         2. HAZARDS IDENTIFICATION         2. HAZARDS SUBENTIFICATION         2. HAZARDS IDENTIFICATION         2. HAZARDS IDENTIFICATION         2. HAZARDS SUBENTIFICATION         2. HAZARDS IDENTIFICATION         CHEMTEL: +1 (800) 255-3924 / +1 (813) 248-0585         19         8. CHEMTEL: +1 (800) 255-3924 / +1 (813) 248-0585         10         2. HAZARDS IDENTIFICATION         CHEMTEL: +1 (800) 255-3924 / +1 (813) 248-0585         10         2. HAZARDS IDENTIFICATION <td< td=""><td>ing to the</td></td<>	ing to the
PULPRIOT SEIMI-PERMANENT HAIR COLOR – ALL STADES         12       Chemical Name:         13       Synonyms:         14       Trade Names:         14       Trade Names:         15       Product Use:         16       Distributor's Name:         17.       Distributor's Name:         18       Emergency Phone:         CHEMTEL: +1 (800) 255-3924 / +1 (813) 248-0585         19       Business Phone / Fax:         CHEMTEL: +1 (800) 255-3924 / +1 (813) 248-0585         19       Business Phone / Fax:         CHEMTEL: +1 (800) 255-3924 / +1 (813) 248-0585         1         A Hazard Identification:         This product is classified as a HAZARDOUS SUBSTANCE but NOT as DANGEROUS GOODS accordic 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         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+P331 - 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 faci	ing to the
1.3       Synonyms:       PULPRIOT         1.4       Trade Names:       Pulpriot Semi-Permanent Hair Color – All Shades         1.5       Product Use:       Professional Cosmetic Use Only         1.6       Distributor's Name:	ing to the
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1.9       CHEMPTEL: +1 (000/250-3924 / +1 (013) 240-0303         1.9       Business Phone / Fax:         2. HAZARDS IDENTIFICATION         CLARZARDS IDENTIFICATION         CLARZARDS IDENTIFICATION         CLARZARDS IDENTIFICATION         2. HAZARDOUS SUBSTANCE but NOT as DANGEROUS GOODS according 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. 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	ling to the
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	nis product
must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.	lis product
3. COMPOSITION & INGREDIENT INFORMATION	
EXPOSURE LIMITS IN AIR (mg/m <sup>3</sup> ) ACGIH NOHSC OSHA	
ppm ppm ppm	
CHEMICAL NAME(S)         CAS No.         RTECS No.         EINECS No.         %         TLV         STEL         TWA         STEL         PEAK         PEL         STEL         IDLH         OC           7732-18-5         ZC0110000         231-791-2         60-100         NA         NA         NF         NF         NA         NA         NA	OTHER
WATER (AQUA/EAU)	
CETYL ALCOHOL 36653-82-4 MM0225000 253-149-0 3-13 NA NA NF NF NF NA NA NA NA	
204-527-9 1-5 NA NA NF NF NF NA NA NA NA	
STEARALKONIUM CHLORIDE	
GLYCERIN 56-81-5 MA8050000 200-289-5 1-5 NA NA NF NF NF NA NA NA NA	
57-55-6 TY2000000 200-338-0 1-5 NA NA 150 474 NF NA NA NA NA	
GLYCERYL STEARATE         31566-31-1         RG19250000         250-705-4         1-5         NA         NF         NF         NA         NA         NA	
PEG-100 STEARATE 9004-99-3 MD0907300 NA 1-5 NA NA NF NF NF NA NA NA NA	
GUAR HYDROXYPROPYL     65497-29-2     NA     NA     0.1-1     NA     NF     NF     NA     NA       TRIMONIUM CHLORIDE	
STEARYL ALCOHOL 112-92-5 RG2010000 204-017-6 0.1-1 NA NA NF NF NF NA NA NA NA	
CETEARETH-20 68439-49-6 NA NA NA 0.1-1 NA NA NF NF NF NA NA NA NA	
QUATERNIUM-75 NA NA' NA 0.1-1 NA NA NF NF NF NA NA NA NA	
Eye Irrit. 2; H319	
FRAGRANCE (PARFUM)	
HYDROLYZED QUINOA 227025-12-9 NA 309-353-8 0-0.1 NA NA NF NF NF NA NA NA NA	
TETRASODIUM EDTA         64-02-8         NA         200-573-9         0-0.1         NA         NF         NF         NA         NA           Acute Tox. 4 *; Eye Dam. 1; H302, H318         0-0.1         NA         NA         NF         NF         NA         NA         NA	
CITRIC ACID 77-92-9 GE7350000 201-069-1 0-0.1 NA NA NF NF NF NA NA NA NA	
METHYLCHLOROISOTHIAZOLINONE 26172-55-4 NX8157080 247-500-7 0-0.1 NA NA NF NF NF NA NA NA ALLER	RGEN
METHYLISOTHIAZOLINONE 2682-20-4 FE1250000 220-239-6 0-0.1 NA NA NF NF NF NA NA NA ALLER	RGEN

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OTHER

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 1.2 SDS Revision Date: 5/1/2018 3. COMPOSITION & INGREDIENT INFORMATION - cont'd EXPOSURE LIMITS IN AIR (mg/m<sup>3</sup>) ACGIH NOHSC OSHA ppm ppm ppm ES-TWA ES-ES-PEAK CAS No. STEL PEL STEL IDLH CHEMICAL NAME(S) RTECS No. EINECS No. % TLV STEL MAY ALSO CONTAIN: 0.-0.5 NA NA NF NF NF NA NA NA 47367-75-9 NA 251-403-5 CI 51004 (BASIC BLUE 3) 0.-0.5 NA NF NF NF NA NA NA NA 2390-60-5 NA 219-232-0 CI 42595 (BASIC BLUE 7) 0.-0.5 NA NA NF NF NF NA NA NA 306-764-4 97404-02-9 NA BASIC ORANGE 31 0.-0.5 12221-52-2 NA NA NA NA NF NF NF NA NA NA BASIC RED 22 77061-58-6 NA 278-601-4 0.-0.5 NA NA NF NF NF NA NA NA BASIC RED 51 0.-0.5 3248-91-7 221-831-7 NA NA NF NF NF NA NA NA NA CI 42520 (BASIC VIOLET 2) 0.-0.5 NA NA NF NF NF NA NA NA 81-48-1 NA 201-353-5 CI 42536 (BASIC VIOLET 13) NA NA NA 0.-0.5 NA NA NF NF NF NA NA NA **BASIC YELLOW 29** 0.-0.5 249-694-9 10 NA 10 NF NF 10 NA NA RESP DUST 29556-33-0 NA **BASIC YELLOW 40** 0.-0.5 68259-00-7 NA 269-503-2 NA NA NF NF NF NA NA NA **BASIC YELLOW 87** 0.-0.5 NA NF NF NF NA NA NA NA NA 224-618-7 4430-18-6 CI 60730 (EXT VIOLET 2) 68123-13-7 NA 268-544-3 0.-0.5 NA NA NF NA NA NA NF NF CI 56059 (BASIC BLUE 99) 0.-0.5 NA NF NF NF NA NA NA 147-14-8 NA 205-685-1 NA HC BLUE 15 NA 247-640-9 NF NA 26381-41-9 0.-0.5 NA NA NF NF NA NA CI 12250 (BASIC BROWN 16) NA 65122-06-7 NA NA 0.-0.5 NA NA NF NF NF NA NA BASIC RED 14 224-654-3 0.-0.5 4438-16-8 NA NA NA NF NF NF NA NA NA CI 11320 (BASIC ORANGE 1) 477-73-6 NA 207-518-8 0.-0.5 NA NA NF NF NF NA NA NA CI 50240 (BASIC RED 2) 68391-32-2 269-944-0 0.-0.5 NA NA NA NF NF NF NA NA NA CI 12251 (BASIC BROWN 17) 59820-43-8 NA 258-002-4 0.-0.5 NA NA NF NF NF NA NA NA HC YELLOW NO. 4 Acute Tox. 4, Eye Irrit.2; H302, H319

## 4. FIRST AID MEASURES

		1 1	
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.
		<u>Eyes</u> :	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
		<u></u>	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.
		<u>Eyes:</u>	Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering.
		<u>Skin:</u>	May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.
		Inhalation:	None expected.

	SAFETY DATA SHEET											
Prepa	ared to OSHA, ACC, A	NSI, NOHSC, WHMIS, GHS & 1272/2008	B/EC Sta	andards	s S	DS Revi	sion: 1.2	SDS	S Revisio	n Date:	5/1/201	8
4.0	0	4. FIRST AIL										
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	e irritatio	on to ski	in near aff	ected are	eas.					
4.5	Chronic Health Effects:	No harmful or chronic health effects a	ire expe	cted to	occur fron	n a single	e accidenta	al ingestio	on.			
4.6 4.7	Target Organs: Medical Conditions	Eyes, Skin				6.11						
4.7	Aggravated by Exposure:	Pre-existing dermatitis, other skin ca target organs (eyes, skin).	onaitior	is, and	aisoraers	or the	HEALT					1
		3 3 ( 3 , , ,					FLAMM					0
							PHYSIC					0
							PROTE	1	1	ENI		В
	EYES SKIN											
		5. FIREFIC	GHTI	NGN	IEASU	RES						
5.1	Fire & Explosion Hazards:	This product is non-flammable. Wh decomposition products such as oxi smoke.	nen exp	osed to	b high ten	nperature						
5.2	Extinguishing Methods:	Water, Foam, CO <sub>2</sub> , Dry Chemical										
5.3	Firefighting Procedures:	demand) and full protective gear. K spray to cool fire-exposed surfaces a fire control or dilution from entering so Firefighters must use full bunker gea	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. ACCIDENTA										
6.1	Spills:							woor or	opropriate	- Porec	nal Dr	otoctivo
	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 han										
7.2												
7.3	Special Precautions:	Spilled material may present a slippin	g hazar	d if left	unattende	d. Clear	n all spills p	promptly.				
		8. EXPOSURE CONTRO	OLS	& PE	RSON	AL P	ROTEC					
8.1	Exposure Limits:		AC			NOHSC			OSHA	-	OTHER	
	ppm (mg/m <sup>3</sup> )	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	ALLEF	
		METHYLISOTHIAZOLINONE BASIC YELLOW 40	NA 10	NA NA	NF 10	NF NF	NF NF	NA 10	NA NA	NA NA	ALLEF RESP	
8.2	Ventilation & Engineering Controls:	When working with large quantities of that an eyewash station, sink or wash	produc basin is	t, provio availat	de adequa ble in case	te ventila of expo	ation (e.g., sure to eye	local exh es.	aust ven	tilation,		
8.3	Respiratory Protection:	No special respiratory protection is necessary, use only respiratory pr §1910.134, or applicable U.S. state r E.C. member states, or Australia.	otectior egulation	n autho ons, or t	rized per the approp	U.S. O oriate sta	SHA's rec indards of	quiremen Canada,	t in 29 its provi	CFR nces,		
8.4	Eye Protection:	AVOID EYE CONTACT DUE TO IF glasses with side-shield) at all times product. Always use protective eyew hazard; soft lenses may absorb and c	s when vear wh	handlin en clea	ig large qu ining spills	uantities	(e.g., ≥ 1	gallon (	3.8 Ľ)) o	f this	0	

		SAFETY DATA SHEET	Page 4 of 7			
Prepa	ared to OSHA, ACC, AN	SI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 1.2 SDS Revis	sion Date: 5/1/2018			
	0					
8.5	Hand Protection:	EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd	1			
0.0		If anticipated that prolonged & repeated skin contact will occur during use of this product, wear rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.1 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 nec refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.	essary,			
		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 9.6	Melting Point/Freezing Point: Initial Boiling Point/Boiling	NA				
	Range:	NA				
9.7 9.8	Flashpoint: Upper/Lower Flammability	NA				
	Limits:	NA				
9.9	Vapor Pressure:	NA				
9.10 9.11	Vapor Density: Relative Density:	NA 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				
40.4	04-1-114-1	10. STABILITY & REACTIVITY				
10.1 10.2	Stability: Hazardous Decomposition	This product is stable.				
10.3	Products: Hazardous Polymerization:	Oxides of carbon (CO, CO <sub>2</sub> ) and sulfur (SO <sub>2</sub> ). Liberation of gas my result in dangerous pressure. Will not occur.				
10.3	Conditions to Avoid:	Open flames, sparks and high heat, direct sunlight.				
10.5						
		11. TOXICOLOGICAL INFORMATION				
11.1	Routes of Entry:		estion: NO			
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found 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 For more information go to <u>www.P65Warnings.ca.gov</u> .	other reproductive harm.			
11.6	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.				
	Mutagenicity: Embryotoxicity:	This product is not reported to produce mutagenic effects in humans. 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.				
L		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 pr	oauci.			

		SAFETY DATA SHEET	Page 5 of 7				
Prepa	ared to OSHA, ACC, AN	SI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 1.2 SDS Revis	ion Date: 5/1/2018				
	13. DISPOSAL CONSIDERATIONS						
13.1	Waste Disposal:	Dispose of in accordance with federal, state and local regulations.					
13.2	3.2 Special Considerations: NA						
		14. TRANSPORTATION INFORMATION					
		nber, proper shipping name, hazard class & division, packing group) is shown for each mode of tra e required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.	ansportation. Additional				
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 rec	quirements				
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:	<ul> <li>This product complies with the appropriate sections of the Food and Drug Administration's (Cosmetics).</li> <li>This material does not contain any hazardous air pollutants. None of the components in the priority pollutants under the CWA. None of the components in this product are listed as too CWA.</li> </ul>	is product are listed as				
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the SDS conta all of the information required by the CPR. The components of this product are listed on DSL/NDSL. None of the components of this product are listed on the Priorities Substances L WHMIS D2B (Other Toxic Effects).	the .ist.				
15.7	State Regulatory Information:	<ul> <li>No ingredients in this product, present in a concentration of 1.0% or greater, are listed on ar criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), FI List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin List (WI).</li> <li>This product does not contain any chemicals known to the State of California to cause cancer harm. For more information go to www.P65Warnings.ca.gov</li> </ul>	orida Toxic Substances s List (MI), Minnesota s Substances List (NY), Hazardous Substances				
15.8	Other Requirements:						
10.0		NA					

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		16. OTHER INFO	ORMATION
16.1	Other Information:	only as directed. Discontinue use immediately closed in a cool place. When using do not eat a water and seek medical advice. Wear suitable occurs: Get medical advice/attention. If case o the label where possible). <b>KEEP LOCKED UP A</b>	<b>DN. CAUSES MILD SKIN IRRITATION.</b> For external use only. Use if irritation develops Keep away from children. Keep container tightly or drink. In case of contact with eyes, rinse immediately with plenty of e protective clothing, gloves and eye/face protection. If skin irritation f accident or if you feel unwell seek medical advice immediately (show ND OUT OF REACH OF CHILDREN. product must not be used for dyeing the eyelashes or eyebrows; to do
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.	
16.3	Disclaimer:	government regulations must be reviewed for ap Inc.'s (2K Industries) knowledge, the informatio accuracy, suitability or completeness is not guar provided. The information contained herein rela	OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other plicability to this product. To the best of ShipMate's & TU-K Industries, n contained herein is reliable and accurate as of this date; however, anteed and no warranties of any type, either expressed or implied, are ates only to the specific product(s). If this product(s) is combined with be considered. Data may be changed from time to time. Be sure to
16.4	Prepared for:	<b>TU-K Industries, Inc. (2K)</b> 5702 Firestone Place South Gate, CA 90280 USA Tel: +1 (562) 927-3365 Fax: +1 (562) 928-8154 http://www.2kindustries.com	
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	ShipMate Dangerous Goods Training & Consulting

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SDS Revision: 1.2

SDS Revision Date: 5/1/2018

## **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:**

RTECS No. Registry of Toxic Effects of Chemical Substances Number	
EINECS No. European Inventory of Existing Commercial Chemical Substances Nu	Imber

### 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:

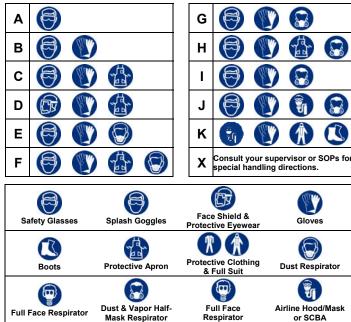
		Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
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#### HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

## HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard	HEALTH
1	Slight Hazard	FLAMMABILITY
2	Moderate Hazard	PHYSICAL HAZARDS
3	Severe Hazard	PERSONAL PROTECTION
4	Extreme Hazard	

## PERSONAL PROTECTION RATINGS:



#### OTHER STANDARD ABBREVIATIONS:

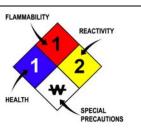
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

## 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	FL	
1	Slight Hazard	FD	
2	Moderate Hazard		
3	Severe Hazard		
4 Extreme Hazard			
ACD	Acidic		
ALK	Alkaline		
COR	Corrosive	/	
W	Use No Water	HE	
OX Oxidizer			
TREFOIL	Radioactive		



#### 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	r Lowest dose (or concentration) to cause lethal or toxic effects		
TC, TC <sub>o</sub> , LC <sub>io</sub> , & LC <sub>o</sub>			
IARC	International Agency for Research on Cancer		
NTP	National Toxicology Program		
RTECS	Registry of Toxic Effects of Chemical Substances		
BCF	Bioconcentration Factor		
TLm	Median threshold limit		
log K <sub>ow</sub> or log K <sub>oc</sub>	Coefficient of Oil/Water Distribution		

## **REGULATORY INFORMATION:**

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
тс	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:

$\bigcirc$	۲	٢		Ð	<b>(</b>		
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:

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