MATERIAL SAFETY DATA SHEET

Page 1 of 8

U		MSDS-029G
Prep	ared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 2.0 MSDS Revision D	ate: 09/01/2008
	1. PRODUCT IDENTIFICATION	
1.1	Product Name:	
	HEATCURE TOP COAT	
1.2	Chemical Name:	
1.2	SOLVENT MIXTURE	
1.3	Synonyms:	
	NA	
1.4	Trade Names: NTT91, NTT96	
1.5	Product Use:	
	COSMETIC USE ONLY	
1.6	Manufacturer's Name:	
17	OPI PRODUCTS, INC. Manufacturer's Address:	
1.7	13034 SATICOY STREET, NO. HOLLYWOOD, CA 91605 USA	
1.8	Emergency Phone:	
-	CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300	
1.9	Business Phone:	
	+1 (818) 759-2400 / +1 (800)-341-9999	
	2. HAZARD IDENTIFICATION	
2.1	Hazard Identification:	
	This product is classified as a HAZARDOUS SUBSTANCE and as DANGEROUS GOODS according to the class NOHSC:1088 (2004) and ADG Code (Australia). Flammable liquid.	ssification criteria of
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion	n: YES
2.3	Effects of Exposure:	
2.0	INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system	depression.
	SKIN & EYES: Irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and	•
	irritating to skin in some sensitive individuals, especially after prolonged and/or repeated contact.	
	INHALATION: Vapors of this product may be slightly irritating to the nose, throat and other tissues of the	
	Symptoms of overexposure can include coughing, wheezing, nasal congestion, and difficulty bre vapors exceeding the levels listed in Section 2 (Composition and Ingredient Information) can co	
	system depression (e.g., drowsiness, dizziness, headaches, nausea).	
2.4	Symptoms of Overexposure:	
	Symptoms of skin overexposure in individuals may include redness, itching, and irritation of affected areas. O	verexposure in eyes
2.5	may cause redness, itching and watering. Acute Health Effects:	
2.0	Mild to moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors co	in cause drowsiness
	dizziness, headaches and nausea.	
2.6	Chronic Health Effects:	
	None known.	
2.7	Target Organs:	
	Eyes, skin and respiratory system.	
	Not Available; ND = Not Determined; NE = Not Established; C = Ceiling Limit; See Section 16 for Additional Definitio	
V()	E: all WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-2004 fc	ormat.

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MATERIAL SAFETY DATA SHEET

Page 2 of 8

MSDS-029G

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 2.0

MSDS Revision Date: 09/01/2008

			2 001												
			<u>3. CON</u>	APOSITION	& INGRE	DIENI	EXPOSURE LIMITS IN AIR (mg/m ³)								
							۸С	GIH		SURE LI NOHSC		I AIR (mg/m [.] OSHA		
								om om		ppm			ppm		OTHER
		A AAE/C)	CAS No.	RTECS No.	EINECS No.	%			ES-	ES-	ES-	DEI			
	CHEMICAL N	4/11E(3)					TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH	150
BUTYI	LACETATE		123-86-4	AF7350000	204-658-1	≤ 35.0	150	200	713	950	NF	200	200	1700	TWA
ETHYL	LACETATE		141-78-6	AH5425000	201-550-6	≤ 30.0	400	NE	720	1440	NF	400	NE	2000	400 TWA
ISOPE	ROPYL ALCOHO	L	67-63-0	NT8050000	200-661-7	≤ 20.0	400	500	983	1230	NF	400	500	2000	400 TWA
ACRY	LATES COPOLY	MER	25133-97-5	NA	NA	≤ 10.0	NA	NA	NF	NF	NF	NA	NA	NA	
CELLI		BUTYRATE	9004-60-4	NA	NA	≤ 10.0	NA	NA	NF	NF	NF	NA	NA	NA	
GLYC	IC ACID/NEOPEI COL/TRIMELLITIC OLYMER		28407-73-0	NA	NA	≤ 5.0	NA	NA	NF	NF	NF	NA	NA	NA	
	ETHYL PENTANYL DBUTYRATE		6846-50-0	SA1420000	229-934-9	≤ 2.0	NA	NA	NF	NF	NF	NA	NA	NA	
BENZ	OPHENONE-1		131-56-6	DJO700000	205-029-4	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
ETHYL METHACRYLATE		E	97-63-2	OZ45500000	202-597-5	≤ 1.0	(15)	NE	NF	NF	NF	(10)	NE	NE	
GLYCOL HEMA-METHACRYLATE		97-90-5	OZ4400000	202-617-2	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA		
BENZOYL PEROXIDE			94-36-0	DM8575000	202-327-6	≤ 1.0	(5)	NA	(5)	NF	NF	(5)	NA	1500	
CI 60	725		81-48-1	CB7700000	201-353-5	NA	NA	NA	NF	NF	NF	NA	NA	NA	
				4 FIR		FASII	RES								
4.1	First Aid: INGESTION:	patient is vo nearest Pois ingested an	omiting, contin on Control Ce d the amount c	vomiting. If p ue to offer wa nter or local e of the substance	product has b ter or milk. I mergency nu e that was sw	een swa Never giv mber. P allowed.	Illowed ve wat Yrovide	er or r an es	nilk to timate	an un of the	consci time c	ious p at whic	erson. ch the	Cont mater	act the rial was
EYES: Splashes are not likely; however, if product gets minutes. If irritation occurs, contact a physician.					-	eyes, flu	ish with		ous am	ounts	of luke	warm	water	tor at I	east 15
	SKIN:			luct is on the sl id water. If irrit											g of the
	INHALATION:		tim to fresh air (at once.											
4.2	Medical Condition		Exposure:					Н	EALT	Н				1	
								F	LAM	MAB	ILITY			3	
								R	EAC	TIVIT	Y			0	
								Р	ROTE	CTI	E EG	QUIP	MEN	T A	
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Page 3 of 8

MSDS-029G

Prep	ared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards	MSDS Revision: 2.0	MSDS Revision Date: 09/01/2008
	5. FIREFIGHTIN	G MEASURES	
51	Elashpoint & Method		

5.1	hasiipoint a wethou.							
	-4 °C (24 °F) estimated.							
5.2	Autoignition Temperature:							
	NA							
5.3	Flammability Limits:	Lower Explosive Limit (LEL):	NE	Upper Explosive Limit (UEL):	NE			
5.4	Fire & Explosion Hazards:							
	WARNING: Flammable! Keep away fr	om heat, lit cigarettes, sparks & op	en flame. Ko	eep container closed.				
5.5	Extinguishing Methods:							
	HazChem Code: 3YE							
	Hazard Identification Number: 33				3			
	CO ₂ , Halon, Dry Chemical, Foam							
5.6	Firefighting Procedures:							
	This product is a Class IB flammable live to produce carbon oxides. Vapors of flash back to a leaking or open contai	this product are heavier than air o		• •				
	First responders should wear eye protection. Structural firefighters must wear SCBAs and full protective equipment. Use a water spray or fog to reduce or direct vapors. Water may not be effective in actually extinguishing a fire involving this product.							
		6. ACCIDENTAL RELEAS	E MEASI	JRES				
1.1	C III-							

6.1 Spills

Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., <1 gallon) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. 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 spills ≥ 1 gallon, deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. 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:

Avoid prolonged contact with the product. Avoid breathing vapors of this product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.

72 Storage & Handling:

Keep this material away from heat, sparks and open flame. Open containers slowly on a stable surface. Keep container closed tightly when not in use. Empty container may contain residual amounts of this product; therefore, empty containers should be handled with care. Store containers in a cool, dry location, away from direct sunlight, other light sources, or sources of intense heat. Store away from incompatible materials (see Section 10).

Special Precautions: 7.3

Open containers slowly on a stable surface. Keep container tightly closed when not in use. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care.

Page 4 of 8

MSDS-029G

Prep	Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 2.0 MSDS Revision Date: 09/01/2008							
	8. EXPOSURE CONTROLS & PERSONAL PROTECTION							
8.1	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.							
8.2	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.							
8.3	Eye Protection:							
	Depending on the use of this Canadian standards, or the Euro		ay be worn. If necessary,	refer to U.S. OSHA 29 CFR §1910.133,				
8.4	Hand Protection:							
		repeated skin contact will occur o r to U.S. OSHA 29 CFR §1910.138, the		vear latex or rubber gloves for routine anada, of the E.C. member states.				
8.5	Body Protection:							
	No special body protection is re of Canada, the E.C. member sto		s of use and handling. If nea	cessary, refer to appropriate standards				
		9. PHYSICAL & CHEM	ICAL PROPERTIES					
9.1	Density:	0.998 – 1.0008						
9.2	Boiling Point:	NA						
9.3	Melting Point:	NE						
9.4	Evaporation Rate:	NA						
9.5	Vapor Pressure:	NA						
9.6	Molecular Weight:	NE						
9.7	Appearance & Color:	Viscous liquid with ester-like (fruity)	odor					
9.8	Odor Threshold:	ND						
9.9	Solubility:	Insoluble in water						
9.10	рН	NA						
9.11	Viscosity:	100 cPs to 3000 cPs						
9.12	Other Information:	NA						
	10. STABILITY & REACTIVITY							
10.1	Stability:		7 64					
10.2	Stable under ambient conditions when stored properly (see Section 7, Storage and Handling).							
10.2	Hazardous Decomposition Products: If exposed to extremely high temperatures, the products of thermal decomposition may include irritating vapors and carbon oxide							
	ases (e.g., CO, CO ₂).							
10.3	Hazardous Polymerization:							
	May occur, if exposed to extrem	nely high temperatures.						
10.4	Conditions to Avoid:							
	This product is incompatible wit strong bases (e.g., lye, potassiu		uperoxides), strong acids (e	e.g., hydrochloric or muriatic acids), or				
10.5	Incompatible Substances:							
	None known.							

Page 5 of 8

MSDS-029G

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 2.0

MSDS Revision Date: 09/01/2008

	11. TOXICOLOGICAL INFORMATION
11.1	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product, which are found in scientific literature. These data have not been presented in this document.
11.2	Acute Toxicity: See Section 2.5
11.3	Chronic Toxicity: See Section 2.6
11.4	Suspected Carcinogen: This product contains Isopropyl Alcohol, which is not carcinogenic to humans but is listed as a Group 3 carcinogen by the IARC.
11.5	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.
11.6	Irritancy of Product: See Section 2.3
11.7	Biological Exposure Indices: NE
11.8	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 as follows:
	<u>Ethyl Acetate</u> : K _{oc} = 0.73. Water solubility: 64,000 mg/l. Bioconcentration Factor = 4-14. Bioconcentration is not anticipated to be significant. This compound can be removed from contaminated environments from volatilization, and biodegradation. This compound's half-life in water is 6.1 hours.
	<u>Butyl Acetate</u> : K_{oc} = 1.82. Water solubility: 120 parts H ₂ O at 25°C (77°F). Bioconcentration Factor = 4-14. Bioconcentration is not anticipated to be significant. This compound can be removed from contaminated environments from volatilization, and biodegradation. This compound's half-life in water is 6.1 hours.
	<u>Isopropyl Alcohol</u> : Log K _{ow} = 0.05-0.14. Isopropyl alcohol occurs naturally; it is generated during microbial degradation of plant and animal wastes. When released on land or water, it is apt to volatilize and biodegrade. The estimated half-life in water is 5.4 days. Isopropyl alcohol is not expected to bioconcentrate.
12.2	Effects on Plants & Animals: There are no specific data available for this product.
12.3	Effects on Aquatic Life: There are no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.
	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)

Page 6 of 8

MSDS-029G

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 2.0

MSDS Revision Date: 09/01/2008

	14. TRANSPORTA						
	pasic description (ID Number, proper shipping name, hazard cla itional descriptive information may be required by 49 CFR, IATA/	ass & division, packing group) is shown for e	ach mode of transportation.				
14.1	49 CFR (GND): CONSUMER COMMODITY, ORM-D (≤ 1.0 L) UN1263, PAINT, 3, II (> 1.0 L)						
14.2	IATA (AIR): CONSUMER COMMODITY, 9, ID8000 (≤ 0.5 L) UN1263, PAINT, 3, II (> 0.5 L)						
14.3							
14.4	TDGR (Canadian GND): MARK PACKAGE "LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "L UN1263, PAINT, 3, II (> 1.0 L)	.TD QTY" or "QUANT LTÉE" (≤ 1.0 L)					
14.5	ADR/RID (EU): UN1263, PAINT, 3, II, ADR, LTD QTY (≤ 1.0 L)						
14.5	MEXICO (SCT): UN1263, PINTURA, 3, II, CANTIDAD LIMITADA (≤ 1.0 L)						
14.7	ADGR (AUS): UN1263, PAINT, 3, II						
	15. REGULATO	RY INFORMATION					
15.1	SARA Reporting Requirements:						
15.2	SARA 304 (40 CFR Table 302.4) – Butyl Acetate, Ethyl Acetate, Is SARA Threshold Planning Quantity:	sopropyl Alcohol					
10.2	There are no specific Threshold Planning Quantities for the com	ponents of this product.					
15.3	TSCA Inventory Status:	•					
	The components of this product are listed on the TSCA Inventor	у.					
15.4	CERCLA Reportable Quantity (RQ): Butyl Acetate: 5000 lbs.; Ethyl Acetate: 5000 lbs.						
15.5	Other Federal Requirements: This product complies with the appropriate sections of the Food	d and Drug Administration's 21 CFR subchar	oter G (Cosmetics).				
15.6	Other Canadian Regulations:		\frown				
	This product has been classified according to the hazard criter the information required by the CPR. The components of this of the components of this product are listed on the Priorities Sul	product are listed on the DSL/NDSL. None					
15.7	State Regulatory Information: Ingredients in this mixture on found on the following state criter	ia lists:					
	California OSHA Hazardous Substances List Delaware Air Quality Management List Massachusetts Hazardous Substances List Minnesota Hazardous Substances List	Butyl Acetate, Ethyl Acetate, Isopropana Butyl Acetate, Ethyl Acetate, Ethyl Metho Butyl Acetate, Ethyl Acetate, Isopropana Benzoyl Peroxide Butyl Acetate, Ethyl Acetate, Isopropana	icrylate, Benzoyl Peroxide I, Ethyl Methacrylate,				
	New Jersey Right to Know Hazardous Substances ListIsopropanol, Benzoyl PeroxideNew York List of Hazardous SubstancesButyl Acetate, Ethyl Acetate, Ethyl Methacrylate, Benzoyl PeroxidePennsylvania Hazardous Substances ListButyl Acetate, Ethyl Acetate, Isopropanol, Ethyl Methacrylate,						
	Washington Permissible Exposure Limits for Air Contaminants Benzoyl Peroxide, Camphor Wisconsin Hazardous Substances List Butyl Acetate, Ethyl Acetate, Isopropanol, Benzoyl Peroxide						

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Page 7 of 8

MSDS-029G

MSDS Revision: 2.0 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision Date: 09/01/2008 **15. REGULATORY INFORMATION - continued** 15.8 67/548/EEC (European Union) Requirements: The primary component of this product is not listed in Annex I of EU Directive 67/548/EEC: Ethyl Acetate: Flammable (F), Irritant (Xi). R: 11-36/37/38 – Highly flammable. Irritating to eyes, respiratory system and skin. S: 2-16-23-29-33 - Keep out of the reach of children. Keep away from sources of ignition - No smoking. Do not breathe gas, fumes, vapor or spray. Do not empty into drains. Take precautionary measures against static discharges. Butyl Acetate: Flammable (F). R: 10-66-67. Flammable. Repeated exposure may cause skin dryness or cracking. Vapors may cause drowsiness and dizziness. S: 9-16-25-33 - Keep container in a wellventilated place. Keep away from sources of ignition - No smoking. Avoid contact with eyes. Take precautionary measures against static discharges. Isopropanol: Flammable (F), Irritant (Xi). R: 11-36-67 Highly flammable. Irritating to eyes. Vapors may cause drowsiness and dizziness. S: 2-7-16-24/25-26 Keep out of reach of children. Keep container tightly closed. Keep away from sources of ignition - No smoking. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. HAZCHEM CODE: 3YE **16. OTHER INFORMATION** Other Information: 16.1 EXTREMELY FLAMMABLE! Keep away from heat or flame. Use only as directed. Avoid eye contact. If contact occurs, flush eye thoroughly with running water. Use only in a well-ventilated area. If redness or other signs of adverse reaction occur, discontinue use immediately. Keep container closed. Store in a cool place. KEEP OUT OF REACH OF CHILDREN. Terms & Definitions: 16.2 Please see last page of this MSDS. 16.3 Disclaimer This Material 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 & OPI Products' 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 Prepared for: **OPI Products**. Inc. 13034 Saticoy Street $\mathbf{0} \cdot \mathbf{P} \cdot \mathbf{I}$ No. Hollywood, CA 91605 USA +1 (818) 759-2400 phone +1 (818) 759-5770 fax http://www.opi.com/ 16.5 Prepared by: ShipMate, Inc. **PO Box 787** IOI Sisters, OR 97759-0787 USA Phone: +1 (310) 370-3600 Dangerous Goods Fax: +1 (310) 370-5700 Training & Consulting e-mail: shipmate@shipmate.com



Page 8 of 8

MSDS-029G

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 2.0

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5.

MSDS Revision Date: 09/01/2008

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. 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				
TLV	TLV Threshold Limit Value				
OSHA U.S. Occupational Safety and Health Administration					
PEL Permissible Exposure Limit					
IDLH	Immediately Dangerous to Life and Health				

FIRST AID MEASURES:

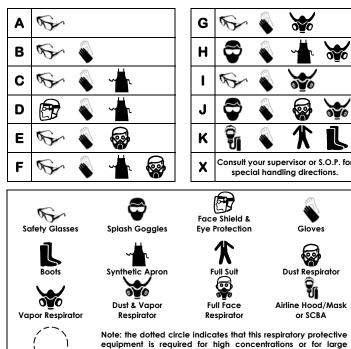
CPR	Cardiopulmonary resuscitation - method in which a person					
	whose heart has stopped receives manual chest					
	compressions and breathing to circulate blood and provide					
	oxygen to the body.					

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard	FLAMMABILITY
1	Slight Hazard	
2	Moderate Hazard	REACTIVITY
ς	Severe Hazard	
4	Extreme Hazard	PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:



OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

volume spills or releases of product.

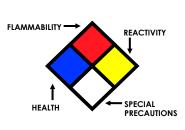
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

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



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 _{io} , LD _{io} , & LD _o Or	r Lowest dose (or concentration) to cause lethal or			
TC, TCo, LCIO, & LCo	toxic effects			
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 Kow or log Koc	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	PSL Canadian Priority Substances List			
TSCA	U.S. Toxic Substance Control Act			
EU	European Union (European Union Directive 67/548/EEC)			

EC INFORMATION:

V		1×	*	8	X	×	×
С	E	F	Ν	0	T+	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful