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MATERIAL SAFETY DATA SHEET

Page 1 of 8

MSDS-067G

Prep	ared to OSHA,	ACC, ANSI, NOHSC, WHMIS	S & 2001/58 EC S	Standards	MSDS Revision: 3.0	MSDS	Revision Date	: 11/24/2008
			1. PROD	UCT IDE	NTIFICATION			
1.1	Product Name:							
		Y NATURAL NAIL S	TRENGTHEN	NER – OI	RIGINAL FORM	ULA		
1.2	Chemical Name: SOLVENT MIXT	URE						
1.3	Synonyms: NA							
1.4	Trade Names:							
1.4	NTT80, NTT84							
1.5	Product Use:							
	COSMETIC US	E ONLY						
1.6	Manufacturer's Na	ime:						
	OPI PRODUCTS	•						
1.7	Manufacturer's Ac							
		Y STREET, NO. HOLLYWOOD	, CA 91605 USA					
1.8	Emergency Phone		1 (000) 404	0200				
1.0		: +1 (703) 527-3887 / +	+1 (800) 424-	9300				
1.9	Business Phone:	2400 / +1 (800) 341-9999						
	-1 (010) 757-2	.400 / 11 (000) 541-7777						
			2 4 4 7 4		NTIFICATION			
0.4			Ζ. ΠΑΙΑ					
2.1	Hazard Identificati	on: s Classified as a HAZARDOL		ind as DAN		ording to the cl	assification or	
	•	Ind ADG Code (Australia).						liend of [Nonse.
2.2	Routes of Entry:		Inhalation:	YES	Absorption:	YES	Ingestion:	YES
2.3	Effects of Exposure	:						
	INGESTION:	If product is swallowed, m	•		•			
	SKIN & EYES:	Irritating to the eyes. Sy irritating to skin in some se						tering. May be
	INHALATION:	Vapors of this product r		-				piratory system.
		Symptoms of overexposu						
		vapors exceeding the lev				dient Informatio	on) can cause	central nervous
2.4	Symptoms of Over	system depression (e.g., c	arowsiness, dízzi	ness, head	aches, nausea).			
2.4	5 1	skin overexposure in indiv	iduals may incl	luda radna	ss itching and irritati	on of affected		exposure in eves
		dness, itching and watering			ss, includy, and infian		dieds. Over	exposure in eyes
2.5	Acute Health Effect							
		rate irritation to eyes and s	skin near affecte	ed areas. /	Additionally, high co	ncentrations of	vapors can c	ause drowsiness,
		daches and nausea.						
2.6	Chronic Health Eff	ects:						
2.7	None known. Target Organs:							
2.1		l respiratory system.						
	_ y e e , skin and							
NA -	Not Available	ND = Not Determined; NE	= Not Establishe	ed: C = Ceili	na Limit: See Section	16 for Addition:	al Definitions o	f Terms Used
		quired information is include			0			

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MATERIAL SAFETY DATA SHEET

Page 2 of 8

MSDS-067G

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 3.0

MSDS Revision Date: 11/24/2008

	<u> </u>	OMPOSIT	<u>ION & IN</u>	IGREL	DIENI	INFC	-	-					
							EXP	OSURE				1 ³)	
					ACC			NOHSC ppm			OSHA ppm		OTHER
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	TLV	STEL	IDLH	OTTER
ETHYL ACETATE	141-78-6	AH5425000	201-550-6	≤ 30.0	400	NE	720	1440	NF	400	NE	2000	400 TWA
BUTYL ACETATE	123-86-4	AF7350000	204-658-1	≤ 25.0	150	200	730	950	NF	200	200	1700	150 TWA
NITROCELLULOSE	9004-70-0	QW0970000	NA	≤ 15.0	(10)	NE	NF	NF	NF	(10)	NE	NE	
PROPYL ACETATE	109-60-4	AJ3675000	203-686-1	<u>≤ 15.0</u>	200	250	835	1040	NF	200	840	1700	
IOSYLAMIDE/FORMALDEHYDE RESIN	1338-51-8	NA	NA	≤ 10.0	NA	NA	NF	NF	NF	NA	NA	NA	
SOPROPYL ALCOHOL	67-63-0	NT8050000	200-661-7	≤ 10.0	400	500	983	1230	NF	400	500	2000	400 TWA
RIPHENYL PHOSPHATE	115-86-6	TC8400000	NA	≤ 5.0	3	NA	3	NF	NF	3	NA	NA	
IRIMETHYL PENTANYL DIISOBUTYRATE	6846-50-0	SA142000	229-937-9	≤ 5.0	NA	NA	NF	NF	NF	NA	NA	NA	
N-BUTYL ALCOHOL	71-36-3	EO1400000	200-751-6	≤ 2.0	50	NA	50	NF	152	100	NA	NA	
METHYLENE GLYCOL (HYDRATED FORMALDEHYDE)	463-57-0	TY200000	207-339-5	≤ 2.0	NA	NA	NF	NF	NF	NA	NA	NA	
STEARALKONIUM BENTONITE	71011-24-0	NA	NA	≤ 2.0	NA	NA	NF	NF	NF	NA	NA	15	DUST
CAMPHOR	76-22-2	EX1225000	200-945-0	≤ 1.0	(2)	NA	12	19	NF	(2)	NA	NA	
DIACETONE ALCOHOL	123-42-2	SA9100000	NA	≤ 1.0	50	240	238	NF	NF	20	240	1800	
ETHYL TOSYLAMIDE	1077-56-1	NA	214-073-3	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
BENZOPHENONE-1	131-56-6	DJ0700000	205-029-4	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	77-92-9	GE7350000	201-069-1	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
HYDROLYZED WHOLE WHEAT PROTEIN	70084-87-6	NA	NA	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
DIMETHICONE	9006-65-9	NA	63148-62-9	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
CALCIUM PANTOTHENATE	137-08-6	RU4375000	205-278-9	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
CI 60725 (VIOLET #2)	81-48-1	CB7700000	201-353-5	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77891 (TITANIUM DIOXIDE)	81-48-1	CB7700000	201-353-5	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
OTHER COMPONENTS PRESENT	IN LESS THAN	I 1% CONCEN	TRATION	BAL	THE REA SIGNIFI						CONTR	IBUTE A	ANY .
		4	. FIRST A	ID ME	ASUR	ES							
EYES: Splashes 5KIN: If irritatio	s vomiting, o Poison Contr I and the am s are not like tes. If irritatio on occurs an	duce vomitin continue to of ol Center or lo ount of the su dy; however, i on occurs, cor d product is c th soap and w	fer water or ocal emerge bstance that f product ge tact a physic on the skin, ri	milk. No ncy nur was sw ts in the cian. nse thor	ever giv nber. Pi allowed eyes, fl oughly v	re wate rovide I. ush wi with lu	er or n an es th cop kewar	hilk to a timate a ious an m wate	in unco of the ti nounts r, follov	onscio me at of luke ved by	us per which warm v a tho	son. C the m water orough	Contact the aterial was for at least washing of
		sh air at once		ion, reu		, a chill	a heis	, cor		19119310		mean	
4.2 Medical Conditions Aggravate								HEAL	ГН				1
None known.							_	FLAM		ILITY			3
								REAC					0
								PROT	ECTIV	/E EC	QUIP	MEN	ΤΑ

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Page 3 of 8

MSDS-067G

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 3.0 M

MSDS Revision Date: 11/24/2008

		5. FIREFIGHTING ME	ASURES			
5.1	Flashpoint & Method: -4 °C (24 °F) estimated.					
5.2	Autoignition Temperature:					
5.3	Flammability Limits:	Lower Explosive Limit (LEL):	NE	Upper Explosive Limit (UE	EL): NE	
5.4	Fire & Explosion Hazards:					
	WARNING: Flammable! Keep away from	n heat, lit cigarettes, sparks & ope	en flame. Ke	ep container closed.		
5.5	Extinguishing Methods:					
	HazChem Code: 3YE					
	Hazard Identification Number: 33					
F (CO ₂ , Halon, Dry Chemical, Foam					
5.6	Firefighting Procedures: This product is a Class IB flammable li decompose to produce carbon oxides source of ignition and flash back to a lea	. Vapors of this product are he	•	•		
	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 RELEASE	MEASU	RES		
6.1	Spills:					
	Before cleaning any spill or leak, individ	uals involved in spill cleanup mus	wear appro	opriate Personal Protective E	quipment.	
	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. H	ANDLING & STORAGE	NFORM	ATION		
7.1	Work & Hygiene Practices:					
	Avoid prolonged contact with the proc exhaust ventilation, fans). After use, wa product.	v .				
7.2	Storage & Handling:					
	Keep this material away from heat, spo tightly when not in use. Empty contai handled with care. Store containers in a Store away from incompatible materials	ner may contain residual amou a cool, dry location, away from d	nts of this p	roduct; therefore, empty co	ontainers should be	
7.3	Special Precautions:					
	Open containers slowly on a stable surf amounts of this product; therefore, empt			in use. Empty containers n	nay contain residual	

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Page 4 of 8

MSDS-067G

Prep	ared to OSHA, ACC, ANSI, NOHS	C, WHMIS & 2001/58 EC Standards	MSDS Revision: 3.0	MSDS Revision Date: 11/24/2008		
	8.	EXPOSURE CONTROLS &	PERSONAL PROTECT	[ION		
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:					
	protection authorized per U.S.		910.134, or applicable U.S.	ng. If necessary, use only respiratory state regulations, or the appropriate		
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 or to U.S. OSHA 29 CFR §1910.138, the		wear 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 ne	cessary, refer to appropriate standards		
	· · · · · · · · · · · · · · · · · · ·	· · · ·				
		9. PHYSICAL & CHEM	ICAL PROPERTIES			
9.1	Density:	0.9998 - 1.0008				
9.2	Boiling Point:	171 - 640°F				
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, various colors				
9.8	Odor Threshold:	ND				
9.9	Solubility:	Insoluble				
9.10	рН	NA				
9.11	Viscosity:	1000 - 3000 cPs				
9.12	Other Information:	NA				
		10. STABILITY &	REACTIVITY			
10.1	Stability:	a whon stored property (see Section	7 Storago and Landling)			
10.2	Hazardous Decomposition Products:	s when stored properly (see Section	7, storage and Handling).			
10.2	1	emperatures, the products of therm	al decomposition may inclu	ude irritating vapors and carbon oxide		
	gases (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 win strong bases (e.g., lye, potassiu		superoxides), strong acids (e	e.g., hydrochloric or muriatic acids), or		
10.5	Incompatible Substances:					
	None known.					

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Page 5 of 8

MSDS-067G

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 3.0

MSDS Revision Date: 11/24/2008

	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:
11.4	See Section 2.6 Suspected Carcinogen:
11.5	This product contains Isopropyl Alcohol, which is not carcinogenic to humans, but is listed as Group 3 carcinogens by IARC. Reproductive Toxicity:
11.5	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.
11.6	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:
12.1	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 Kow = 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	Uaste 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 - ianitable)

0	•P•I	MATERIAL SA	FETY DATA SHEET		Page 6 of 8 MSDS-067G
Prep	ared to OSHA, AC	L C, ANSI, NOHSC, WHMIS & 2001/58 EC Standa	rds MSDS Revision: 3.0 MSDS Rev	vision Date:	: 11/24/2008
		14. TRANSPORTA			
		D Number, proper shipping name, hazard cla	iss & division, packing group) is shown for eac	ch mode o	of transportation.
14.1	49 CFR (GND):	nformation may be required by 49 CFR, IATA/	ICAO, IMIDG, SCI, ADGR and the CIDGR.		
	CONSUMER COM UN1263, PAINT, 3,	MODITY, ORM-D (≤ 1.0 L) .II (> 1.0 L)			
14.2		MODITY, 9, ID8000 (≤ 0.5 L)			
14.3	UN1263, PAINT, 3, IMDG (OCN):	III (> 0.5 L)			
14.5	UN1263, PAINT, 3,	II, LTD QTY (≤ 1.0 L)			
14.4	UN1263, PAINT, 3, TDGR (Canadian GND MARK PACKAGE		.TD QTY" or "QUANT LTÉE" (≤ 1.0 L)		
	UN1263, PAINT, 3,				
14.5	ADR/RID (EU): UN1263, PAINT, 3,	.3 °(b), ADR, LID QIY (≤ 1.0 L)			
14.6	SCT (MEXICO): UN1263, PINTURA	(INFLAMMABLE), 3, II, CANTIDAD LIMITADA (≤	1.0 L)		
14.7	ADGR (AUS): UN1263, PAINT, 3,	3 °(b), LTD QTY (≤ 1.0 L)			
		15. REGULATO			
15.1	SARA Reporting Requir				
15.2	SARA 304 (40 CFR SARA Threshold Plannin	R Table 302.4) – Butyl Acetate, Ethyl Acetate, Is ng Quantity:			
15.0		cific 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 Q	uantity (RQ):	•		
15.5	Butyl Acetate: 50 Other Federal Requirer	00 lbs.; Ethyl Acetate: 5000 lbs.			
15.5		plies with the appropriate sections of the Food	d and Drug Administration's 21 CFR subchapte	er G (Cosn	netics).
15.6	the information re	ations: been classified according to the hazard criter equired by the CPR. The components of this its of this product are listed on the Priorities Sul	product are listed on the DSL/NDSL. None		Ţ
15.7	State Regulatory Inform Ingredients in this	nation: mixture on found on the following state criter	ia lists:		
	California OSHA I	Hazardous Substances List	Butyl Acetate, Ethyl Acetate, Isopropanol, Acetate	Diacetone	e Alcohol, Propyl
		ality Management List azardous Substances List	Butyl Acetate, Ethyl Acetate, Nitrocellulose Butyl Acetate, Ethyl Acetate, Isopropanol, Nitrocellulose, Camphor, Triphenyl Phosph	,	
	Michigan Critical Minnesota Hazar	Substances List dous Substances List	Diacetone Alcohol, Propyl Acetate Butyl Acetate, Ethyl Acetate, Isopropanol Camphor, Triphenyl Phosphate, Diacetone	e Alcohol	Pronvl Acetate
		to Know Hazardous Substances List Iazardous Substances	Isopropanol, Nitrocellulose, , Diacetone A Butyl Acetate, Ethyl Acetate,		
	Pennsylvania Haz	zardous Substances List	Butyl Acetate, Ethyl Acetate, Isopropanol, Nitrocellulose, Camphor, Triphenyl Phosph	nate	
		issible Exposure Limits for Air Contaminants lous Substances List	Butyl Acetate, Ethyl Acetate, Isopropanol, Ethyl Acetate, Diacetone Alcohol, Propyl /	• •	Phosphate

\mathbf{O}	I·A·	MAT	ERIAL SAFE	TY DATA SH	EET	Page 7 of 8 MSDS-067G		
$\mathbf{\mathcal{O}}$	— —					MSDS 007 C		
Prep	ared to OSHA, AC	C, ANSI, NOHSC, WHMIS	& 2001/58 EC Standards	MSDS Revision: 3.0	MSDS Revision Da	ite: 11/24/2008		
	15. REGULATORY INFORMATION - continued							
15.8	Butyl Acetate: Fl Keep away fror discharges. Ethyl Acetate: Fl and skin. S: 2-16 smoking. Do not	oonent of this product is ammable (F). R: Flamman sources of ignition - ammable (F). R: 11-36/3 23-29-33 – Keep out of	No smoking. Take pro 37/38 – Highly flammable the reach of children. Ke	Directive 67/548/EEC: container in a well-ventilat ecautionary measures aga e. Irritating to eyes, respirato ep away from sources of igr mpty into drains. Take prec	inst static pry system nition - No			
			16. OTHER INF	ORMATION				
16.1	thoroughly with r	unning water. Use only i	n a well-ventilated area.	nly as directed. Avoid eye If redness or other signs of a OUT OF REACH OF CHILDREN	dverse reaction occ			
16.2	Terms & Definitions: Please see last p	age of this MSDS.						
16.3	government regulinformation contiguaranteed and to the specific p	lations must be reviewe ained herein is reliable no warranties of any ty oduct(s). If this produc	d for applicability to this and accurate as of th be, either expressed or im	B Hazard Communication S product. To the best of Shipl is date; however, accurac aplied, are provided. The inf er materials, all component edition.	Mate's & OPI Produc y, suitability or com ormation contained	ts' knowledge, the pleteness are not herein relates only		
16.4	Prepared for: OPI Products, Inc 13034 Saticoy Str No. Hollywood, C +1 (818) 759-2400 +1 (818) 759-5770 http://www.opi.c	eet A 91605 USA phone Ifax	0·P·I					
16.5	Prepared by: ShipMate, Inc. P.O. Box 787 780 Buckaroo Tra Sisters, OR 97759 +1 (310) 370-3600 +1 (310) 370-5700 http://www.shipn	il Suite D phone fax	ShipMa Dangerous Training &					



Page 8 of 8

MSDS-067G

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 3.0

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MSDS Revision Date: 11/24/2008

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	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:

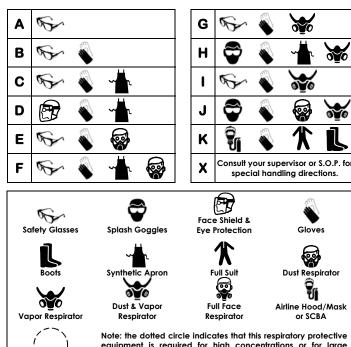
CPR	Cardiopulmonary resuscitation - method in which a person				
	whose heart has stopped receives manual chest				
	compressions and breathing to circulate blood and provide				
	oxygen to the body.				

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		
		1		

PERSONAL PROTECTION RATINGS:



equipment is required for high concentrations or for large volume spills or releases of product.

OTHER STANDARD ABBREVIATIONS:

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

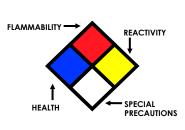
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition	Minimum temperature required to initiate combustion			
Temperature	mperature 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 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



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	o, LD _{Io} , & LD _o or Lowest dose (or concentration) to cause lethal of		
TC, TCo, LCIO, & LCo	, LC ₁₀ , & LC ₀ 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	TL m 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	DSL Canadian Domestic Substance List		
NDSL	IDSL 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)		

EC INFORMATION:

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