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Page 1 of 8

MSDS-083G

Prep	ared to OSHA,	ACC, ANSI, NO	HSC, WHMIS &	2001/58 EC	Standards	MSDS Revision: 4.0	MS	DS Revision Date: 05/26/2011
			1	1. PROD	UCT IDE	NTIFICATION		
1.1	Product Name:							
	START-TO	-FINISH FC	ORMALDEH	YDE-FRE	E FORM	JLA		
1.2	Chemical Name: SOLVENT MIXT	IURE						
1.3	Synonyms: NA							
1.4	Trade Names: NTT71, NTT67							
1.5	Product Use: COSMETIC USI							
1.6	Manufacturer's Na	ame:						
1.7	OPI PRODUCTS Manufacturer's Ac	•						
			IOLLYWOOD, C	A 91605 USA	4			
1.8	Emergency Phone		27-3887 / +1	(800) 424	-9300			
1.9	Business Phone:			(000) 424	/000			
	+1 (818) 759-2	2400 / +1 (800)	341-9999					
				2. HAZA	ARD IDEN	ITIFICATION		
2.1		s classified as				GEROUS GOODS acc	ording to the	e classification criteria of NOHSC
2.2	1088 (2004) and ADG Code (Australia). Flammable liquid. Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES							
2.2	Effects of Exposure	<u>.</u>	I	nhalation:	YES	Absorption:	YES	Ingestion: YES
2.5	INGESTION:		wallowed, may	cause nau	sea. vomitin	a and/or diarrhea and	d central ner	yous system depression.
	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 watering. May be							
	irritating to skin in some sensitive individuals, especially after prolonged and/or repeated contact.							
	INHALATION:	Symptoms of vapors exce	overexposure of eding the levels	can include s listed in Se	coughing, ection 3 (Co	wheezing, nasal cong	estion, and	ssues of the respiratory system. difficulty breathing. Inhalation of tion) can cause central nervous
2.4	Symptoms of Over	rexposure:						
	Symptoms of skin overexposure in individuals may include redness, itching, and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering.							
2.5	Acute Health Effect							
		rate irritation to daches and no		near affec	ted areas.	Additionally, high con	centrations	of vapors can cause drowsiness
2.6	Chronic Health Effe							
	None known.							
2.7	Target Organs:							
	Eyes, skin and	t respiratory sy	stem.					
	NI. I A . II I I				N	0		
NA =	Not Available; NE	ບ = Not Determir	iea; NE = Not Esta	iblished; NF =	Not Found; C	= Ceiling Limit; See Section	on 16 for Addi	tional Definitions of Terms Used

NOTE: all WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-2004 format.

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MATERIAL SAFETY DATA SHEET

Page 2 of 8

MSDS-083G

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 4.0

ion: 4.0 MSD

MSDS Revision Date: 05/26/2011

					N & INGRE				FYPOS		AITS IN	AIP (m	na/m	3)	
			ACGIH NOHSC			OSHA									
							pp		ppm			ppm			OTHER
	CHEMICAL NA	ME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- Stel	ES- PEAK	TLV	STEL	IDLH	
	DHOL DENATURE							-							
	OHOL-40B)	- (64-17-5	KQ300000	200-578-6	≤ 30.0	1900	NA	1880	NF	NF	1000	NA	3300	
THY	L ACETATE		141-78-6	AH5425000	201-550-6	≤ 25.0	400	NE	720	1440	NF	400	NE	2000	400 TW
BUTY	L ACETATE		123-86-4	AF7350000	204-658-1	≤ 20.0	150	200	713	950	NF	200	200	1700	150 TW
IEPT.	ANE		142-82-5	MI7700000	205-563-8	≤ 10.0	400	NA	1640	2050	NF	500	NA	NA	
NITRO	OCELLULOSE		9004-70-0	QW0970000	NA	≤ 10.0	(10)	NE	NF	NF	NF	(10)	NE	NE	
OSY	LAMIDE/EPOXY	RESIN	130353-62-7	NA	NA	≤ 5.0	NA	NA	NF	NF	NF	NA	NA	NA	
SOP	ROPYL ALCOHO	L	67-63-0	NT8050000	200-661-7	≤ 5.0	400	500	983	1230	NF	400	500	2000	400 TW/
POLY	VINYL BUTYRAL		63148-65-2	TR4955000	NA	≤ 5.0	NA	NA	NF	NF	NF	NA	NA	NA	
RIPH	ENYL PHOSPHAT	ſE	115-86-6	TC8400000	NA	≤ 2.0	3	NA	3	NF	NF	3	NA	NA	
	ETHYL PENTANYL DBUTYRATE		6846-50-0	SA142000	229-937-9	≤ 2.0	NA	NA	NF	NF	NF	NA	NA	NA	
CAM	PHOR		76-22-2	EX1225000	200-945-0	≤ 1.0	(2)	NE	12	19	NF	(2)	NE	NE	
BENZ	OPHENONE-1		131-56-6	DJ0700000	205-029-4	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
GLYC	XAL		102-22-2	MD2625000	203-474-9	< 0.01	NA	NA	NF	NF	NF	NA	NA	NA	
HYDF PROT	OLYZED WHOLE	WHEAT	70084-87-6	NA	NA	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
CI 60	725 (D & C VIOL	.ET #2)	81-48-1	NA	201-353-5	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
									1		1				
				4. FI	RST AID M	EASU	RES								
4.1	First Aid: INGESTION:	patient is vo nearest Pois	omiting, contir on Control Ce	nue to offer we	product has b ater or milk. emergency nu ce that was sv	Never g Imber.	ive wa Provide	ter or i	milk to	an un	consci	ous p	erson	Con	tact the
	EYES:	•	e not likely; ho rritation occurs	· •	uct gets in the hysician.	eyes, fl	ush wit	h copio	ous am	ounts c	ofluke	warm	water	for at	least 15
	SKIN:				e skin, rinse the If irritation, rec		,			•				•	•
	INHALATION:	Remove vic	tim to fresh air	at once.											
4.2	Medical Condition		Exposure:						HEAL	TH					1
ч.∠	None known.								FLAM		BILITY				3
⊣ .∠															•
4. Z									REAC	TIVI1	ſY				0
⊣ .∠									<mark>REAC</mark> PROT			QUIF	°ME	NT	0 A

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Page 3 of 8

MSDS-083G

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 4.0

MSDS Revision Date: 05/26/2011

	5. FIREFIGHTING MEASURES						
5.1	Flashpoint & Method:						
	-4 °C (24 °F) estimated.						
5.2	Autoignition Temperature:						
5.3	NA Flammability Limits: Lower Explosive Limit (LEL): NE Lipper Explosive Limit (LEL): NE						
5.4	Fire & Explosion Hazards: WARNING: Flammable! Keep away from heat, lit cigarettes, sparks & open flame. Keep container closed.						
5.5							
	CO ₂ , Halon, Dry Chemical, Foam						
5.6	Firefighting Procedures:						
	This product is a Class IB flammable liquid. When involved in a fire, this product will ignite readily and decompose to produce carbon oxides. Vapors of this product are heavier than air and may travel to a source of ignition and flash back to a leaking or open container.						
	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. HAZCHEM CODE: 3YE						
	6. ACCIDENTAL RELEASE MEASURES						
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.						
7.2	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).						
7.3	Special Precautions:						
	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

U	/ L L	MSDS-083G				
Prep	ared to OSHA, ACC	, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 4.0 MSDS Revision Date: 05/26/2011				
	·					
		8. EXPOSURE CONTROLS & PERSONAL PROTECTION				
8.1	Ventilation & Engineering	g Controls:				
		h large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an ink or washbasin is available in case of exposure to eyes.				
8.2	Respiratory Protection:					
	protection authori	atory protection is required under typical circumstances of use or handling. If necessary, use only respiratory zed per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate ida, its provinces, E.C. member states, or Australia.				
8.3	Eye Protection:					
		e use of this product, splash or safety glasses may be worn. If necessary, refer to U.S. OSHA 29 CFR §1910.133, ds, or the European Standard EN166.				
8.4	Hand Protection:					
		prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine ecessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.				
8.5	Body Protection:					
		rotection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards C. member states, or U.S. OSHA.				
		9. PHYSICAL & CHEMICAL 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:	1000 cPs TO 3000 cPs				
9.12	Other Information:	NA				
		10. STABILITY & REACTIVITY				
10.1	Stability:					
	Stable under ambient conditions when stored properly (see Section 7, Storage and Handling).					
10.2						
	If exposed to extremely high temperatures, the products of thermal decomposition may include irritating vapors and carbon oxide gases (e.g., CO, CO ₂).					
10.3	Hazardous Polymerizatio					
10.1	· · · · · ·	osed to extremely high temperatures.				
10.4	Conditions to Avoid:	omnatible with strong ovidizers (e.g., perovides, superovides), strong goids (e.g., budrochloric or muriglic goids), er				
	strong bases (e.g.,	ompatible with strong oxidizers (e.g., peroxides, superoxides), strong acids (e.g., hydrochloric or muriatic acids), or lye, potassium hydroxide).				
10.5	Incompatible Substance	.22				
	None known.					

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Page 5 of 8

MSDS-083G

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 4.0

MSDS Revision Date: 05/26/2011

11. TOXICOLOGICAL INFORMATION Toxicity Data: 11.1 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 2.6 114 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. Irritancy of Product: 11.6 See Section 2.3 11.7 Biological Exposure Indices: NF 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: Ethyl Acetate: Koc = 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. Butyl Acetate: Koc = 1.82. Water solubility: 120 parts H₂O 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. Isopropyl Alcohol: 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. Effects on Plants & Animals: 12.2 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)

C	•P•I	MATERIAL SA	FETY DATA S	HEET	Page 6 of 8 MSDS-083G
Prep	ared to OSHA, ACC, ANS	SI, NOHSC, WHMIS & 2001/58 EC Standa	ards MSDS Revision: 4.0	MSDS Revisio	n Date: 05/26/2011
		14. TRANSPORTA	TION INFORMATION		
		nber, proper shipping name, hazard cla ation may be required by 49 CFR, IATA/		is shown for each r	mode of transportation.
14.1	49 CFR (GND): CONSUMER COMMODI UN1263, PAINT, 3, II (> 1				
14.2	IATA (AIR): CONSUMER COMMODIT UN1263, PAINT, 3, II, LTD UN1263, PAINT, 3, II (> 0	QTY (< 0.5 L)			
14.3	IMDG (OCN): UN1263, PAINT, 3, II, LTD UN1263, PAINT, 3, II (> 1	. ,			UN1263
14.4	UN1263, PAINT, 3, II (> 1	D QUANTITY" or "QUANTITÉ LIMITÉE" or "I .0 L)	.TD QTY" or "QUANT LTÉE" (≤ 1.() L)	\searrow
14.5	ADR/RID (EU): UN1263, PAINT, 3, II, AD	R, LTD QTY (≤ 1.0 L)			
14.6	MEXICO (SCT):	CANTIDAD LIMITADA (≤ 1.0 L)			
14.7	ADGR (AUS): UN1263, PAINT, 3, II, LTD				FLAMMABLE LIQUID
		15 05000450			
45.4		15. REGULATO	RY INFORMATION		
15.1	SARA Reporting Requirements: SARA 304 (40 CFR Table	302.4) – Butyl Acetate, Ethyl Acetate			
15.2	SARA Threshold Planning Quan	^{iity:} reshold Planning Quantities for the con	popents of this product		
15.3	TSCA Inventory Status:	reshold Hanning doarnines for the con	ponenis or mis prodoci.		
		product are listed on the TSCA Inventor	γ.		
15.4	CERCLA Reportable Quantity (I Butyl Acetate: 5000 lbs.	ري: ; 2268 kg. Ethyl Acetate: 5000 lbs.; 2268	3 ka.		
15.5	Other Federal Requirements:				
15.6	This product complies w Other Canadian Regulations:	vith the appropriate sections of the Foo	d and Drug Administration's 2	I CFR subchapter (G (Cosmetics).
13.0	This product has been of the information required of the components of th	classified according to the hazard criter d by the CPR. The components of this his product are listed on the Priorities Su	product are listed on the DSL/	'NDSL. None 🛛 🚺	
15.7	State Regulatory Information: Ingredients in this mixtu	re on found on the following state criter	ia lists:		
	California OSHA Hazard		Butyl Acetate, Ethyl Acetat		
	Delaware Air Quality M Massachusetts Hazarda		Butyl Acetate, Ethyl Acetat Ethanol, Butyl Acetate, Ethy		anol
			Camphor, Heptane		
	Minnesota Hazardous S		Ethanol, Butyl Acetate, Ethy Camphor, Heptane		panol,
	New Jersey Right to Kno New York List of Hazard Pennsylvania Hazardou		Isopropanol, Nitrocellulose Butyl Acetate, Ethyl Acetat Ethanol, Butyl Acetate, Eth Camphor, heptane	e	panol,
	Washington Permissible Wisconsin Hazardous Su	Exposure Limits for Air Contaminants ubstances List	Butyl Acetate, Ethyl Acetat Ethyl Acetate	e, Isopropanol, He	ptane

Page 7 of 8 MSDS-083G

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 4.0

MSDS Revision Date: 05/26/2011

15. REGULATORY INFORMATION - continued

15.8 67/548/EEC (European Union) Requirements:

The primary components of this product are listed in Annex I of EU Directive 67/548/EEC:

Ethanol: (F) Flammable. R: 11 Flammable. S: 2-7-16 Keep out of reach of children. Keep container tightly closed. Keep away from sources of ignition – No Smoking.

Ethyl Acetate: Flammable (F). 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.

<u>Butyl Acetate</u>: Flammable (F). R: Flammable. S: 9-16-33 - Keep container in a well-ventilated place. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

HAZCHEM CODE: 3YE

16. OTHER INFORMATION

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. 16.2 Terms & Definitions: 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 rowerment regulations must be reviewed for applicability to this product. To the best of ShipMata's & OPI Products' knowledge, the

Other Information:

16.1

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.

OPI Products, Inc

	13034 Saticoy Street No. Hollywood, CA 91605 USA +1 (818) 759-2400 phone +1 (818) 759-5770 fax http://www.opi.com/	$\mathbf{O} \cdot \mathbf{P} \cdot \mathbf{I}$
16.5	Prepared by: ShipMate, Inc. P.O. Box 787 780 Buckaroo Trail Suite D Sisters, OR 97759 310-370-3600 phone 310-370-5700 fax http://www.shipmate.com/	ShipMate Dangerous Goods Training & Consulting





Page 8 of 8

MSDS-083G

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 4.0

MSDS Revision Date: 05/26/2011

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:

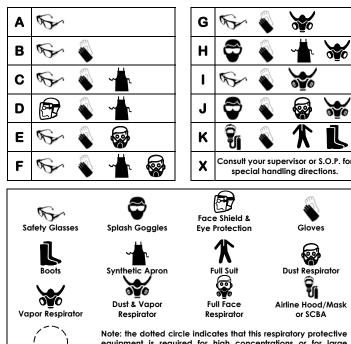
0	Minimal Hazard	FI AMMABILITY
1	Slight Hazard	
2	Moderate Hazard	REACTIVITY
3	Severe Hazard	
4	Extreme Hazard	PERSONAL PROTECTION
		NCD1644T ONPCA Printed by Labelmader, A American Labelmark Go., Olicago, IL

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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

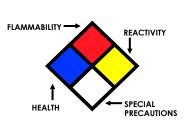
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition	Minimum temperature required to initiate combustion			
Temperature	erature in air with no other source of ignition			
LEL Lower Explosive Limit - lowest percent of vapor in air, b				
	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	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	CLo Lowest concentration to cause a symptom		
TD _{Io} , LD _{Io} , & LD _o Or	Lowest dose (or concentration) to cause lethal or		
TC, TC _o , LC _{lo} , & LC _o	toxic effects		
IARC	International Agency for Research on Cancer		
NTP	National Toxicology Program		
RTECS	Registry of Toxic Effects of Chemical Substances		
BCF	BCF Bioconcentration Factor		
TLm	TL _m Median threshold limit		
log Kow or log Koc	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	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)		

EC INFORMATION:

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