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SDS-246NF SDS Revision: 1.3 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision Date: 4/12/2018 1. PRODUCT & COMPANY IDENTIFICATION 1.1 Product Name: GEL COLOR BY OPI – ALL SHADES (NON-FLAMMABLE) 12 Chemical Name Solvent Mixture 1.3 Synonyms NA 1.4 Trade Names GC *** (Various Colors) (Non-Flammable) 1.5 Product Use: Cosmetic Use Only 1.6 Distributor's Name OPI Products, Inc. 1.7 Distributor's Address 4500 Park Granada Blvd, Calabasas, CA 91302 USA 1.8 Emergency Phone CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 16377) 1.9 Business Phone / Fax: Tel: +1 (818) 999-5112 2. HAZARDS IDENTIFICATION This product is classified as a HAZARDOUS SUBSTANCE and as DANGEROUS GOODS according to the classification Hazard Identification: criteria of NOHSC: 1008 (2004) and ADG Code (Australia). WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Classification: Skin Sens. 1A; Eye Irrit. 2A 2.2 Label Elements: Hazard Statements (H): H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P233 - Keep container tightly closed. P261 - Avoid breathing dust/vapors. P264 - Wash exposed skin areas thoroughly with soap and water after handling. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/eye protection/face protection. P302+P352 - IF ON SKIN - Wash with soap and water. P305+P351+P338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. P333+P313 - If skin irritation or a rash occurs - Get medical advice/attention. P321 - For specific first aid treatment (See Section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 -Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF). 2.3 Other Warnings: KEEP OUT OF REACH OF CHILDREN. 3. COMPOSITION & INGREDIENT INFORMATION EXPOSURE LIMITS IN AIR (mg/m3) ACGIH NOHSC **OSHA** ppm ppm ppm FS. FS-FS-PEAR STEL CHEMICAL NAME(S) CAS No. RTECS No. EINECS No. TLV STEL TWA STEL PEL IDLH OTHER 276-957-5 72869-86-4 40-70 NA NA NA NA DI-HEMA TRIMETHYLHEXYL NA NF NF NF NA DICARBAMATE Skin Sens.1; H317 OZ4725000 212-782-2 15-40 HYDROXYETHYL METHACRYLATE 868-77-9 NA NA NF NF NF NA NA NA (HEMA) Eye Irrit. 2; Skin Irrit. 2; Skin Sens. 1; H319, H315, H317 UD3422500 248-666-3 NA HYDROXYPROPYL 27813-02-1 10-30 NA NA NF NF NF NA NA **METHACRYLATE** Skin Sens. 1; Eye Irrit. 2; H317, H319 3.0-7.0 NA HYDROXYCYCLOHEXYL PHENYL 947-19-3 NA 213-426-9 NA NF NF NF NA NA NA KETONE Acute Tox. Oral 5; Acute Aq. Tox. 3; H303, H402 MAY CONTAIN 12001-26-2 VV8760000 310-127-6 0.1-1.0 3 NA NF 2.5 NF 20 NA 1500 RESP FRAC MICA XR2275000 236-675-5 NF NF NF 5000 TOTAL DUST 13463-67-7 0.0-1.0 (10)NA (5) NA CI 77891 (TITANIUM DIOXIDE) 1390-65-4 NA 215-724-4 0.0-1.0 NA NA NF NF NF NA NA NA CI 75470 (CARMINE) 65997-17-3 NA 266-046-0 0.0-1.0 NA NA NF NA NA NA CALCIUM ALUMINUM NF NF BOROSILICATE 18282-10-5 XQ4000000 0.0-1.0 NA NA NA 242-159-0 NF NF NF NA NA TIN OXIDE VV7310000 0.0-1.0 NA NF NF NF NA NA 7631-86-9 231-545-4 NA 3000 RESP FRAC SILICA NA 227-497-9 0.0-1.0 NA 5858-81-1 NA NA NF NF NF NA NΑ RED 6 (CI 15850) NA 226-109-5 0.0-1.0 NA NA NA NA NA 5281-04-9 NF NF NF RED 7 (CI 15850) 81-48-1 CB7700000 0.0-1.0 NA NA NA NA 201-353-5 NA NF NF NF CI 60725 (VIOLET 2)

0.0-1.0 NA

NA

NF

NF

NF

NA

NA

NA

1309-37-1

CI 77491 (IRON OXIDES)

NO740000

215-168-2

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4.6

Target Organs:

Eyes, Skin, Respiratory System.

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SDS-246NF Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 1.3 SDS Revision Date: 4/12/2018 3. COMPOSITION & INGREDIENT INFORMATION- cont'd EXPOSURE LIMITS IN AIR (mg/m³) ACGIH NOHSC OSHA ppm maa ppm ES-TWA ES-ES-STEL PEL STEL IDLH CHEMICAL NAME(S) CAS No RTECS No. **EINECS No** TLV PEAK OTHER STEL MAY CONTAIN (CONTINUED): 51274-00-1 NA 257-098-5 0.0-1.0 NA NA NF NF NF NA NA NA CI 77492 (IRON OXIDES) NA 215-277-5 0.0-1.0 NA NA NF NF NF NA NA NA 1317-61-9 CI 77499 (IRON OXIDES) 2379-74-0 NA 219-163-6 0.0-1.0 NA NA NF NF NF NA NA NA CI 73360 (RED 30) 13473-26-2 NA 236-747-6 0.0-1.0 NA NA NF NF NF NA NA NA CI 45410 (RED 27) 7727-43-7 CR0600000 231-784-4 0.0-1.0 NA NA NA NA NA NF NF NF CI 77120 (BARIUM SULFATE) 1302-83-6 NA 215-111-1 0.0-1.0 NA NA NF NA NA NA NF NF CI 77007 (ULTRAMARINES) 1934-21-0 UQ6400000 217-699-5 0.0-1.0 NA NA NA NA NA NF NF NF CI 19140 (YELLOW 5) 7787-59-9 EB2700000 232-122-7 0.0-1.0 NA NA NF NF NF NA NA NA CI 77163 (BISMUTH OXYCHLORIDE) NA 233-257-4 0.0-1.0 NA NA NF NF NF NA NA NA 10101-66-3 CI 77742 (MANGANESE VIOLET) 14038-43-8 NA NA NA NA NA 237-875-5 0.0-1.0 NF NF NF NA CI 77510 (FERRIC FERROCYANIDE) BQ4725000 3844-45-9 223-339-8 0.0-1.0 NA NA NF NF NF NA NA NA CI 42090 (BLUE1) 3567-66-6 NA 222-656-9 NA NA NA NA NA 0.1-1 NF NF NF CI 17200 (RED 33) 7429-90-5 BD0330000 231-072-3 0.0-1.0 NA NA NF NF NF NA NA NA CI 77000 (ALUMINUM POWDER) 4. FIRST AID MEASURES First Aid If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk Ingestion: IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Call a POISON CENTER /doctor if you feel unwell. 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. Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm Eyes: water for at least 15 minutes. If irritation occurs, contact a physician. If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough Skin: 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. 42 Effects of Exposure: Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression. 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. Skin: Vapors of this product may be slightly irritating to the nose, throat and other tissues of the respiratory Inhalation: system. Symptoms of overexposure can include coughing, wheezing, nasal congestion, and difficulty breathing. Inhalation of vapors exceeding the levels listed in Section 3 (Composition and Ingredient Information) can cause central nervous system depression (e.g., drowsiness, dizziness, headaches, Symptoms of skin overexposure in individuals may include redness, itching, and irritation of affected areas. 4.3 Symptoms of Overexposure: Overexposure in eyes may cause redness, itching and watering. Acute Health Effects: 4.4 Mild to moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea Chronic Health Effects: 4.5 None known.

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									-			
		4. FIRS	ST All	D ME	ASUR	ES – c	ont'd					
7	Medical Conditions Aggravated by Exposure:	None reported by the manuscript Special Removal Instructions. Longer wear not force or pull gel away remove product. If client pressure, squeezing, pinch only along side walls with E as possible with the Reusal and continue soaking.	ions: may incre from nai experier iing), ren EDGE 24	ease real or use noces and nove who was to the contract of the	moval time e metal im ly sensation rap and g Gently pu	e - soak na plements/ on during lently file sh off as r	ails longer. electric drill removal (e surface of nuch GelCo	er. Do drill to PHYSICAL HAZARDS (e.g. PROTECTIVE EQUIPMENT Color				1 1 1 B
		5. FI	REFI	GHTI	NG ME	ASUR	ES					
.2	Fire & Explosion Hazards: Extinguishing Methods: Firefighting Procedures:	Exothermic polymerization polymerization. This produignite and decompose to for CO ₂ , Halon, Dry Chemical, I This product is a combusti decompose to produce carb	ict is a r m toxic o Foam ible liquid	non-flam gases (e	nmable liq e.g., CO, C	uid. When O_2 , NO_x).	n involved	in a fire	e, this p	roduct m	ay	1
		First responders should w protective equipment. Use effective in actually extinguis	ear eye a wate	protect r spray	or fog to	reduce o						<i>y</i>
		6. ACCID	ENTA	LRF	LFΔS	E MFA	SURFS	<u> </u>				
.1	Spills:	Before cleaning any spill Equipment. For small spills (e.g., < 1 Maximize ventilation (open appropriate closed containe Wash all affected areas ar clothing and wash thorough For large spills (e.g., ≥ 1 material (e.g., sand or earth containers for proper dispowater. Keep spills and clear	gallon doors a	(3.8 L)) and wir lisposal. le of co reuse8 L)), offer liquit	wear ap ndows). I Dispose ontainer w deny entry d to conta ontaminate	propriate Remove s of properlith plenty to all uniners for red clothing	personal pi pilled mate y in accorda of warm w protected in ecovery or of promptly a	rotective rial with ance wi ater andividua disposa and was	e equipre habsorleth local, and soap. als. Dike I and soapshafter	ment (e.g bent mat state and Remov e and co lid diking ted skin	g., goggles, g erial and plac d federal regula re any contam ontain spill with material to se	loves) ce into ations inateo h iner
		7. HANDLI				•		•		water.		
1	Work & Hygiene Practices:	Avoid prolonged contact wit drink or smoke while handlir	th the pro	oduct.					kin with	soap and	d water. Do n	ot ea
2	Storage & Handling:	Keep this material away fror closed tightly when not in containers should be handle Store containers in a cool, of away from incompatible materials are containers as appropriate.	m heat, s use. E ed with ca dry locati	sparks a Empty o are. on, awa	container	may conta	nin residual nt, other ligh	amour	nts of th	nis produ ources of	ct; therefore, fintense heat.	empt Stor
.3	Special Precautions:	Open containers slowly on contain residual amounts of Special Removal Instruction time - soak nails longer. Do If client experiences any se surface of gel only along Reusable Cuticle Stick. Res	this products this products the second this products the second the second this products the second this product the second this produ	duct; the ow Gel0 e or pul during Is with	erefore, en Color nail I gel away removal (EDGE 24	npty contai prep & rer from nail e.g. press 0 File. Ge	iners should moval instru or use meta ure, squee; ently push	I be har actions. al imple zing, pi off as	ndled wit Longer ments/e nching),	th care. r wear m lectric dri remove	ay increase re Il to remove pr wrap and ger	emova roduct
		8. EXPOSURE CO	ONTR	OLS.	& PFR	SONA	I PRO	FCT	ION			
1	Exposure Limits:		AC	GIH		NOHSC			OSHA	ı	OTHER	
	ppm (mg/m³)	CHEMICAL NAME(S) MICA	TLV 3	STEL NA	ES-TWA NF	ES-STEL 2.5	ES-PEAK NF	PEL 20	STEL NA	1500	RESP FRAC	
		CI 77891 (TITANIUM DIOXIDE)	(10)	NA	NF	NF	NF	(5)	NA	5000	TOTAL DUST	
		SILICA	NA	NA	NF	NF	NF	NA	NA	3000	RESP FRAC	
2	Ventilation & Engineering Controls:	General mechanical (e.g., exhaust ventilation to effect product. Ensure that an eye	fans) or tively re	natural move a	ind prever	nt buildup	of vapors	or mist	duct is i general	n use. l ted from	the handling	
.3	Respiratory Protection:	product. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes. 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, EU member states, or Australia.										

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SDS Revision: 1.3 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision Date: 4/12/2018 8. EXPOSURE CONTROLS & PERSONAL PROTECTION - cont'd 8.4 Eye Protection: Depending on the use of this product, splash or safety glasses may be worn. If necessary, refer to U.S. OSHA 29 CFR §1910.133, Canadian standards, or the European Standard EN166 8.5 Hand Protection If anticipated that prolonged & repeated skin contact will occur during use of this product, wear neoprene or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada or the EU member states. Body Protection: 8.6 No special body protection is required under typical circumstances of use and handling. necessary, refer to appropriate standards of Canada, the EU member states, or U.S. OSHA 9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Appearance: Viscous liquid various colors 9.2 Odor Characteristic Odor Threshold: 9.3 ND 94 NA 9.5 Melting Point/Freezing Point: NE 9.6 Initial Boiling Point/Boiling NA 97 Flashpoint: NA Upper/Lower Flammability 9.8 NE 9.9 Vapor Pressure: NA Vapor Density: 9.10 NA 9.11 Relative Density: 1.100-1.300 9.12 Solubility Insoluble Partition Coefficient (log Pow): 9.13 NA Autoignition Temperature: 9.14 ND Decomposition Temperature: 9 15 NA 9.16 Viscosity 1,500-5,000 cPs 9.17 Other Information: NA 10. STABILITY & REACTIVITY 10.1 Stability: Stable under ambient conditions when stored properly (See Section 7, Storage and Handling) 10.2 Hazardous Decomposition If exposed to extremely high temperatures, the products of thermal decomposition may include irritating vapors and Products: carbon oxide gases (e.g., CO, CO₂). 10.3 Hazardous Polymerization: May occur, if exposed to extremely high temperatures. 10.4 Conditions to Avoid: Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks, flame. 10.5 Incompatible Substances: This product is incompatible with strong oxidizers (e.g., peroxides, superoxides), strong acids (e.g., hydrochloric or muriatic acids), or strong bases (e.g., lye, potassium hydroxide) and potassium t-butoxide. 11. TOXICOLOGICAL INFORMATION Inhalation: YES Absorption: YES Routes of Entry: 11.1 Ingestion: YES 11.2 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 Acute Toxicity: 11.3 See Section 4.5 Chronic Toxicity 11.4 See Section 4.6 11.5 Suspected Carcinogen: This product contains Silica, which is not carcinogenic to humans, but is listed as Group 3 carcinogen by IARC. This product contains CI 77891 (Titanium Dioxide) listed as Group 2B carcinogen by IARC 11.6 Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans. Mutagenicity This product is not reported to produce mutagenic effects in humans. Embryotoxicity This product is not reported to produce embryotoxic effects in humans. Teratogenicity This product is not reported to cause teratogenic effects in humans Reproductive Toxicity: This product is not reported to cause reproductive effects in humans 11.7 Irritancy of Product See Section 4.3 11.8 Biological Exposure Indices: NE 11.9 Physician Recommendations: Treat symptomatically. 12. ECOLOGICAL INFORMATION The components of this product will slowly degrade over time into a variety of organic compounds. 12.1 Environmental Stability: environmental data available for the components of this product but are not presented in this document. 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.

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		13. DISPOSAL CONSIDERATIONS			
13.1	Waste Disposal:	Waste disposal must be in accordance with appropriate Federal, state, and local regulations.			
13.2	Special Considerations:	NA			
		14. TRANSPORTATION INFORMATION			
The desc	basic description (ID Number, riptive information may be requ	proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional uired by 49 CFR, IATA/ICAO, IMDG and the CTDGR.			
14.1	49 CFR (GND):	NOT REGULATED			
14.2	IATA (AIR):	NOT REGULATED			
14.3	IMDG (OCN):	NOT REGULATED			
14.4	TDGR (Canadian GND):	NOT REGULATED			
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:	NA NA			
15.2	SARA Threshold Planning Quantity:	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 or are otherwise exempt.			
15.4	CERCLA Reportable Quantity (RQ):	NA NA			
15.5	Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).			
15.6	This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. Class B2 Flammable Liquid.				
15.7					
15.8	Other Requirements:	This product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. For more information, go to www.P65warnings.ca.gov.			

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 1.3 SDS Revision Date: 4/12/2018 16. OTHER INFORMATION WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Keep container tightly Other Information: closed. Avoid breathing fume/vapors. Wash exposed skin areas thoroughly with soap and water after handling. Wear protective gloves/eye protection/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - Get medical advice/attention. For specific first aid treatment (See Section 4 of this Safety Data Sheet). Wash contaminated clothing before reuse. For external use only. Do not ingest. Use only as directed. Discontinue use immediately if irritation develops. KEEP OUT OF THE REACH OF CHILDREN. Terms & Definitions: 16.2 See last page of this Safety Data Sheet. 16.3 Disclaimer: This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & OPI's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition. 16.4 Prepared for: OPI Products, Inc. 4500 Park Granada Blvd).P-I Calabasas, CA 91302 USA Tel: +1 (818) 999-5112 http://www.opi.com 16.5 ShipMate, Inc. Prepared by: P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700

http://www.shipmate.com

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DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number			
RTECS No.	Registry of Toxic Effects of Chemical Substances Number			
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number			

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists		
IDLH	H Immediately Dangerous to Life and Health		
NOHSC	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:

222					
CPR	Cardiopulmonary resuscitation - method in which a person whose heart has				
	stopped receives manual chest compressions and breathing to circulate bloc				
	and provide oxygen to the body.				

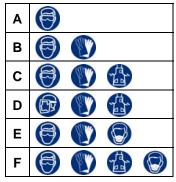
HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

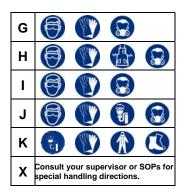
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:





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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	STOT SE Specific Target Organ Toxicity – Single Exposure		

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILI'	FLAMMABILITY LIMITS IN AIR:					
Autoignition Minimum temperature required to initiate combustion in air with no other solution Temperature 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 1 Slight Hazard 2 Moderate Hazard		FLAMMABILITY		
		\ \		
		REACTIVITY		
3	Severe Hazard			
4	Extreme Hazard			
ACD Acidic ALK Alkaline				
COR	Corrosive	/ \ \ \ \		
₩	Use No Water	HEALTH		
OX Oxidizer		SPECIAL		
TREFOIL	Radioactive	PRECAUTIONS		

TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals		
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	Lowest dose (or concentration) to cause lethal or toxic effects		
TC, TC _o , LC _{lo} , & LC _o			
IARC	International Agency for Research on Cancer		
NTP	National Toxicology Program		
RTECS	Registry of Toxic Effects of Chemical Substances		
BCF	Bioconcentration Factor		
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	Canadian Domestic Substance List		
NDSL	Canadian Non-Domestic Substance List		
PSL	Canadian Priority Substances List		
TSCA	U.S. Toxic Substance Control Act		
EU	EU European Union (European Union Directive 67/548/EEC)		
WGK	Wassergefährdungsklassen (German Water Hazard Class)		

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

0	③	(2)	②	(®		R
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compress ed	Flammabl e	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