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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 6.2 SDS Revision Date: 1/31/2018 1. PRODUCT & COMPANY IDENTIFICATION 1 1 Product Name DEOXIT® FADER F-SERIES FN5 5% SPRAY, NON-FLAMMABLE, **VOC Compliant** 1.2 Chemical Name: 1.3 Synonyms DeoxIT® Fader F-Series 5% Spray; FN5S-6N and FN5S-2N (mini-spray) 1.4 Trade Names: DeoxIT® Fader F-Series 5% Spray; PN FN5S-6N (163 grams), PN FN5S-2N (40 grams) 1.5 Product Use: Lubricant for conductive plastics & carbon-based controls Distributor's Name: 1.6 CAIG Laboratories, Inc. Distributor's Address: 12200 Thatcher Court, Poway, CA 92064-6876 USA 1.7 1.8 Emergency Phone: CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN205206) Business Phone / Fax: 1.9 +1 (800) 224-4123 2. HAZARDS IDENTIFICATION 2.1 Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE and as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). WARNING! PRESSURIZED CONTAINER; MAY BURST IF HEATED. Classification: Aerosols 3 2.2 Label Elements: This product is classified as a HAZARDOUS SUBSTANCE and as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). WARNING! PRESSURIZED CONTAINER; MAY BURST IF HEATED. Classification: Aerosols 3 Hazard Statements (H): H229 - Pressurized container; may burst if heated. Precautionary Statements (P): P210 - Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking. P251 - Do not pierce or burn, even after use. P260 - Do not breathe fumes/gas/mist/vapors/spray. P281 - Use personal protective equipment as required. P308+P313 - If exposed or concerned: Get medical advice/attention. P403 - Store in a wellventilated place. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122 °F. 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-ES-FS-TLV STEL CHEMICAL NAME(S) CAS No. RTECS No. **EINECS No** PEL STEL IDLH OTHER STEL TWA PEAK 60-100 NA NA NA NA NA NF NF NF NA NA NA SOLSTICE® PF REACH Reg. No. 01-2119855084-38 TRANS-1,3,3,3-TETRAFLUORO-29118-24-9 NA NA 15-30 NA NA NF NF NF NA NA NA REACH Reg. No. 01-0000019758-54 PROP-1-ENE **DEOXIT ® FADER F100L** NA NA NA 3-7 NA NA NF NF NF 15 NA (TRADE SECRET) REACH Reg. No. Non-hazardous/Proprietary 4. FIRST AID MEASURES First Aid: Ingestion: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was Splashes are not likely; however, mist may cause irritation. If product gets in the eyes may cause irritation; Eyes: flush with copious amounts of lukewarm water for at least 15 minutes lifting upper and lower lids, occasionally. If irritation persists repeat flushing. Get medical attention. Wash thoroughly with soap and water. In case of contact, immediately flush skin with plenty of water for at Skin: least 15 minutes. Treat for frostbite if necessary, be gently warming affected area. If irritation, redness or swelling persists, contact a physician immediately. Remove victim to fresh air at once. If breathing difficult, administer oxygen. Gross overexposure may Inhalation: cause central nervous system depression, dizziness, confusion, incoordination, drowsiness, irregular

heartbeat accompanied by a strange feeling in the chest, "heart thumping," apprehension, light-

headedness, weakness, fainting, loss of consciousness, and death.



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			4. FIRST AID MEASURES – cont	'd	
4.2	Effects of Exposure:	Ingestion: Eyes:	If product is swallowed, may cause nausea, vomiting an Moderately irritating to the eyes. Symptoms of overex watering.		tation and
		Skin:	May be irritating to skin. The product can cause allerg some sensitive individuals.	ic skin reactions (e.g., rashes, welts, del	rmatitis) in
		Inhalation:	Gross overexposure may cause central nervous system drowsiness, irregular heartbeat accompanied by a apprehension, light-headedness, weakness, fainting, los	strange feeling in the chest, "heart t	
4.3	Symptoms of Overexposure:	Ingestion:	Nausea, intestinal discomfort, vomiting and/or diarrhea.	or consciousness, and death.	
		Eyes:	Overexposure in eyes may cause redness, itching and v	vatering.	
		Skin:	Symptoms of skin overexposure may include redness, like symptoms. The product can cause allergic skin individuals.		
		Inhalation:	Gross overexposure may cause central nervous syster drowsiness, irregular heartbeat accompanied by a apprehension, light-headedness, weakness, fainting, los	strange feeling in the chest, "heart t	
4.4	Acute Health Effects:		ritation to eyes and skin near affected areas. Addition dizziness, headaches and nausea. Frostbite like effect to	onally, high concentrations of vapors of	can cause
4.5	Chronic Health Effects:		re may trigger asthma-like symptoms in some sensitive in hypersensitivity. Possible allergic dermatitis.	ndividuals. May also induce skin sensiti	zation and
4.6	Target Organs:		Respiratory System.		
4.7	Medical Conditions Aggravated by Exposure:		dermatitis, other skin conditions, and disorders of the	HEALTH	1
		target organ	s (eyes, skin, and respiratory system).	FLAMMABILITY	1
				PHYSICAL HAZARDS	0
				PROTECTIVE EQUIPMENT	В
				EYES SKIN	
5.1	Fire & Explosion Hazards:		5. FIREFIGHTING MEASURES		
5.2	Extinguishing Methods:	aerosols are However, if gases (e.g.,	o prevent possible bursting. Aerosols may be projectile bursting, stay clear until bursting is complete. This involved in a fire, this product may decompose at high CO, Hydrogen Fluoride).	s product is not flammable. In temperatures to form toxic	
5.3	Firefighting Procedures:		n, CO <sub>2</sub> , Dry Chemical. Use water spray to cool unopened		
5.5	Thenging Trocedures.	contained by until well at personal. If danger of by	as for surrounding materials. As in any fire, wear Nate reathing apparatus (pressure-demand) and full protective fiter the fire is out. Use water spray to cool fire-exposing fire upwind. Avoid spraying water directly into stopoil-over. Prevent runoff from fire control or dilution from fire control or dilution from fire control.	gear. Keep containers cool sed surfaces and to protect orage containers because of	0
		NIOSH-appi	ter supply, or any natural waterway. Firefighters must u roved positive pressure self-contained breathing apparatu combustion or decomposition products and oxygen deficier	se full bunker gear including us to protect against potential	
		NIOSH-appi hazardous o	roved positive pressure self-contained breathing apparatus combustion or decomposition products and oxygen deficier  6. ACCIDENTAL RELEASE MEASU	se full bunker gear including is to protect against potential ncies.	
6.1	Spills:	Before clea Equipment. Small Spills material sur water or a plastic broo Large Spills or release.	roved positive pressure self-contained breathing apparatu combustion or decomposition products and oxygen deficier	RES  anup must wear appropriate Personal pron may be required for clean-up of larges and protective eyewear. Use a non-cocce into a container for later disposal. Dep up material using non-sparking mate or plastic liner within another container.  ) away from spill. Stay upwind and away resonnel out of area. Stop spill or release	e spills. Imbustible To not use rials (e.g., If from spill If it can be
6.1	Spills:	Before clear Equipment. Small Spills material sur water or a plastic brook Large Spills or release, done with m	consistive pressure self-contained breathing apparatus combustion or decomposition products and oxygen deficier.  6. ACCIDENTAL RELEASE MEASU aning any spill or leak, individuals involved in spill clear Plastic or rubber gloves, respirator, eye protection and a general way. Wear appropriate protective equipment including gloves that a vermiculite or sand to soak up the product and play material such as "speedy dry" to soak up material. Swems, shovels, dustpans) and place into a plastic container of the second play in the product and play is the product and play in the play in the product and play in the play in	RES  anup must wear appropriate Personal pron may be required for clean-up of larges and protective eyewear. Use a non-conce into a container for later disposal. Dep up material using non-sparking non-sparkin	e spills. mbustible o not use rials (e.g., r from spill if it can be rarrant.
7.1	Spills:  Work & Hygiene Practices:	Before clear Equipment. Small Spills material survivater or a liplastic brook Large Spills or release, done with material survivate or the spills or release.  Do not eat, container(s)	contained breathing apparatus combustion or decomposition products and oxygen deficier.  6. ACCIDENTAL RELEASE MEASU aning any spill or leak, individuals involved in spill clear. Plastic or rubber gloves, respirator, eye protection and a series: Wear appropriate protective equipment including gloves that as vermiculite or sand to soak up the product and plasmaterial such as "speedy dry" to soak up material. Swems, shovels, dustpans) and place into a plastic container of the series incompatible materials (e.g., organics such as oil Isolate immediate hazard area and keep unauthorized penninimal risk. Wear appropriate protective equipment including local containers.	RES  anup must wear appropriate Personal pron may be required for clean-up of larges and protective eyewear. Use a non-conce into a container for later disposal. Dep up material using non-sparking material using non-sparking material pron spatic liner within another container.  away from spill. Stay upwind and away resonnel out of area. Stop spill or release ling respiratory protection as conditions we want to make the property of the propert	e spills.  mbustible o not use rials (e.g.,  from spill if it can be earrant.
		Before clea Equipment. Small Spills material sur water or a re plastic broot Large Spills or release, done with m  Do not eat, container(s) contact is por Use and sto sunlight. Av	conved positive pressure self-contained breathing apparatus combustion or decomposition products and oxygen deficier.  6. ACCIDENTAL RELEASE MEASU aning any spill or leak, individuals involved in spill clear Plastic or rubber gloves, respirator, eye protection and a general way with the work of the work o	RES  anup must wear appropriate Personal pron may be required for clean-up of larges and protective eyewear. Use a non-conce into a container for later disposal. Deep up material using non-sparking material using non-sparking material pron spatial liner within another container.  away from spill. Stay upwind and away resonnel out of area. Stop spill or release ling respiratory protection as conditions we want to a specific processing the spiratory protection as conditions we concentrate the spiratory protection as conditions as a spiratory protection as conditions are conditions.	e spills.  mbustible o not use rials (e.g.,  from spill if it can be earrant.  puncturing gles if eye and direct



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		8. EXPOSURE CONTR	OLS	& PF	RSON	AI PE	ROTFO	CTION			
3.1	Exposure Limits:	O. EXI GOOKE GONTIN		GIH		NOHSC	<u></u>	1	OSHA		OTHER
	ppm (mg/m³)					ES-	ES-				
		NA	TLV NA	STEL NA	ES-TWA NF	STEL NF	PEAK NF	PEL NA	STEL NA	IDLH NA	
3.2	Ventilation & Engineering	General mechanical (e.g., fans) or									ocal or gonor
J	Controls:	exhaust ventilation to effectively re									
		product. Ensure appropriate decont									
8.3	Respiratory Protection:	No special respiratory protection									•
		necessary, use only respiratory p	orotection	on autho	rized per	U.S. O	SHA's re	equiremer	nt in 29	CFR	
		§1910.134, or applicable U.S. state	regula	tions, or t	the appro	priate sta	indards o	f Canada	, its provi	nces,	
	5.5.4	E.C. member states, or Australia.									
8.4	Eye Protection:	Avoid eye contact. Protective eyev	vear re	commend	led. Wea	r protect	ve eyewe	ear (e.g.,	safety gla	sses	
		with side-shield) at all times when eyewear when cleaning spills or lea									
		and concentrate irritants.	iks. CC	illact lett	ses pose	a specia	i ilazaiu,	SUIT ICHS	55 Illay al	25010	
8.5	Hand Protection:	None required under normal condi-	tions of	use Ho	wever m	av cause	skin irrit	ation in s	some sen	sitive	
		individuals. If anticipated that prolo									annin .
		wear latex or rubber gloves for ro	outine i	ndustrial	use. If	necessar	y, refer t	to U.S. C	SHA 29	CFR	
		§1910.138, the appropriate standard									
8.6	Body Protection:	No special body protection is require							If neces	sary,	
		refer to appropriate standards of Ca	nada, th	ne E.C. m	ember sta	ates, or U	.S. OSHA	٩.			
		9. PHYSICAL 8	СП		VI DD4	)DED	TIES				
9.1	Appearance:	Light green aerosol spray/mist	СП		AL PRI	JPER	IILS				
9.2	Odor:	Ethereal / hydrocarbon odor									
9.3	Odor Threshold:	NA									
9.4	pH:	NA NA									
9.5	Melting Point/Freezing Point:	NA NA									
9.6	Initial Boiling Point/Boiling										
	Range:	NA									
9.7	Flashpoint:	NA									
9.8	Upper/Lower Flammability Limits:	NA									
9.9	Vapor Pressure:	50 +/-5 psig @ 20 °C									
9.10	Vapor Density:	NA									
9.11	Relative Density:	$0.852 \pm 0.012 (7.10 \pm 0.1 \text{ lb/gal})$									
9.12	Solubility:	Partial to complete									
9.13	Partition Coefficient (log Pow):	NA									
9.14	Autoignition Temperature:	NA									
9.15	Decomposition Temperature:	NA									
9.16	Viscosity:	NA									
9.17	Other Information:	0% VOC									
		10. STAB	ILIT	Y & RI	EACTI	VITY					
10.1	Stability:	This product is stable.									
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO <sub>2</sub> ) and sul	fur (SO	<sub>2</sub> ).							
10.3	Hazardous Polymerization:	Will not occur.		,							
10.4	Conditions to Avoid:	Open flames, sparks and high heat.									
10.5	Incompatible Substances:	None known.									
	•										
		11. TOXICOL	.OGI	CAL II	NFOR	MATIC	ON				
11.1	Routes of Entry:	Inhalation: YES	-		Absorption:	0			Ingesti		ES
11.2	Toxicity Data:	This product has NOT been tested				ology data	a. Toxico	ology data	, found in	scien	tific literature,
11.3	Acute Toxicity:	available for some of the componen	is of the	product.							
11.3	Chronic Toxicity:	See section 4.4									
11.4	, , , , , , , , , , , , , , , , , , ,	See section 4.5	ok = ::- '	oole leer	un to 11.	Ctota - '	Colite	o to ==::		0" - "	on nomination
۱۱.۵	Suspected Carcinogen:	This product does not contain any harm. For more information go to w				state of	California	a to caus	e cancer	or oth	ier reproducti
11.6	Reproductive Toxicity:	This product is not reported to produ				humane					
•	Mutagenicity:	This product is not reported to produ									
	Embryotoxicity:	This product is not reported to produ									
		product to flot reported to produ	.JU UIIIk	, JIONIO	-11-010 III	IIIIII.					
	Teratogenicity:	This product is not reported to cause	terato	genic eff	cts in hur	nans					



15.8

Other Requirements:

NA

## **SAFETY DATA SHEET**

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision Date: 1/31/2018 SDS Revision: 6.2 11. TOXICOLOGICAL INFORMATION - cont'd 117 Irritancy of Product: 11.8 Biological Exposure Indices NF 11.9 Physician Recommendations: Treat symptomatically 12. ECOLOGICAL INFORMATION 12.1 Environmental Stability: There is no specific data available for this product. 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: Products covered by this MSDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations. Dispose of in accordance with federal, state and local regulations 13.2 Special Considerations: California Waste Code: 331 14. TRANSPORTATION INFORMATION The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR 49 CFR (GND): CONSUMER COMMODITY, ORM-D (IP VOL ≤ 1000 mL) - until 12/31/2020 UN1950, AEROSOLS, 2.2 (LTD QTY, IP VOL ≤ 1000 mL) IATA (AIR): ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 500 mL)  $\sqrt{\Lambda}$ UN1950, AEROSOLS, NON-FLAMMABLE, 2.2 (LTD QTY, IP VOL ≤ 820 mL) 14.3 IMDG (OCN): UN1950, AEROSOLS, 2.2 (LTD QTY, IP VOL ≤ 1000 mL) TDGR (Canadian GND): 14.4 UN1950, AEROSOLS, 2.2 (LTD QTY, IP VOL ≤ 1000 mL) or MARK PACKAGE "LIMITED QUANTITY," "LTD QTY," or "QUANT LTÉE" or "QUANTITÉ LIMITÉE" 14.5 ADR/RID (EU): UN1950, AEROSOLS, 2.2 (LTD QTY, IP VOL ≤ 1000 mL) 14.6 SCT (MEXICO): UN1950, AEROSOLS, 2.2 (CANTIDAD LIMITADA, IP VOL ≤ 1000 mL) ADGR (AUS): 14.7 UN1950, AEROSOLS, 2.2 (LTD QTY, IP VOL ≤ 1000 mL) 15. REGULATORY INFORMATION SARA Reporting 15.1 This product does not contain any substances subject to SARA Title III, section 313 reporting requirements. Requirements 15.2 There are no specific Threshold Planning Quantities for the components of this product 15.3 TSCA Inventory Status: The components of this product are listed on the TSCA Inventory. 15.4 CERCLA Reportable Quantity: NA 15.5 Other Federal Requirements: This material does not contain any hazardous air pollutants. This material does not contain any material listed as a Hazardous Substance under the CWA. None of the components in this product are listed as priority pollutants under the CWA. None of the components in this product are listed as toxic pollutants under the CWA. 15.6 Other Canadian Regulations: This product has been classified according to the hazard criteria of the Controlled Products Regulations (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. 15.7 State Regulatory Information: No ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or other

reproductive harm. For more information go to www.P65Warnings.ca.gov.



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		16. OTHER INF	ORMA	ΓΙΟΝ	
16.1	Other Information:  WARNING! PRESSURIZED CONATINER; MAY BURST IF HEATED. Use only as directed. Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Do not breathe fumes/gas/mist/vapors/spray. Use personal protective equipment as required. If exposed or concerned: Get medical advice/attention. Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122 °F. KEEP OUT OF REACH OF CHILDREN.				
16.2	Terms & Definitions:	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 & CAIG Laboratories, Inc.'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:	CAIG Laboratories, Inc. 12200 Thatcher Court Poway, CA 92064-6876 Tel: +1 (800) CAIG-123 (244-4123) Fax: +1 (858) 486-8398 fax http://www.caig.com/	MAN	CAIG LABORATORIES, INC.	
16.5	Prepared by:	ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com		ShipMate* Dangerous Goods Training & Consulting	



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### **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	Immediately Dangerous to Life and Health	
NOHSC	National Occupational Health and Safety Commission (Australia)	
OSHA	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:

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

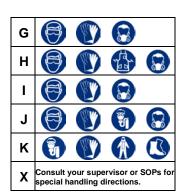
#### **HEALTH, FLAMMABILITY & REACTIVITY RATINGS:**

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



#### PERSONAL PROTECTION RATINGS:

Α			
В			
С		THE STATE OF THE S	
D		THE THE	
Е			
F		THE THE	





#### OTHER STANDARD ABBREVIATIONS:

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

#### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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

#### **HAZARD RATINGS:**

0	Minimal Hazard	FLAMMABILITY
1	Slight Hazard	\
2	Moderate Hazard	REACTIVITY
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	/ <b>\ \ \</b> \
W	Use No Water	HEALTH
ох	Oxidizer	SPECIAL
TREFOIL	Radioactive	PRECAUTIONS

#### TOXICOLOGICAL INFORMATION:

LD <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC <sub>50</sub>	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD <sub>Io</sub>	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD <sub>io</sub> , LD <sub>io</sub> , & LD <sub>o</sub> or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TCo, LCio, & LCo	
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	Canadian Priority Substances List				
TSCA	U.S. Toxic Substance Control Act				
EU	European Union (European Union Directive 67/548/EEC)				
WGK	Wassergefährdungsklassen (German Water Hazard Class)				

### WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

0	<b>*</b>	<b>(2)</b>		$\odot$	(4)		(R)
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

#### CLP/GHS (1272/2008/EC) PICTOGRAMS:

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