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MSDS-E-L260Np

Prepared to OSHA, ACC, ANSI, WHMIS, NOHSC & 2001/58 EC Standards MSDS Revision: 1.1 MSDS Revision Date:02/20/2011

l. I	PRODUCT IDEI	NTIFICATION				CHEMICA	RESPO	ONSE C	CARD:	03
.1	Product Name:	DeoxIT® GREA	ASE TYPE L260	Np		RESPONSE	8	ren)		
2	Chemical Name:	See ingredients liste	ed in section 3			TEAM PPE:		•		
3	Synonyms:	DeoxIT® Grease Typ	pe L260Np, (Part No.	. L260Np)						
4	Trade Names:	DeoxIT® Grease Typ	·	. ,		WHMIS:	(!)			
5	Product Use:	Lubricant	1			HEALTH:				1
6	Manufacturer's Name:	CAIG Laboratories	·		FLAMMABILITY:					
7	Manufacturer's		ourt, Poway, CA 9206	54-6876		PHYSICAL H		<u>S.</u>		0
8	Address: Business Phone:	+1 (800) 224-4123	•		PERSONAL				В	
9	Emergency Phone:	, ,	+1 (703) 527-3	R887 / +1	(800) 42		KOILO			<u> </u>
		Part No. L260-N2C Part No. L260-N1 Part No. L260-N8 Part No. L260-N35								
			2. HAZARD	IDENTIFIC	CATION					
	the skin of materia Contains petroleur	or significant eye or sl ls of this type may res n-based mineral oil.	kin irritation. High-P ult in serious injury. May cause respirat	ressure Equi Seek immed ory irritation	pment Inform diate medical or other puln	nation: Accider attention shoul monary effects	d an acc following	ident of prolong	this type jed or re	e occi epeate
	cause prolonged of the skin of materia Contains petroleur inhalation of oil mis	or significant eye or sl s of this type may res	kin irritation. High-Picult in serious injury.  May cause respirate bove the recommen	ressure Equi Seek immed ory irritation nd mineral o	pment Inform diate medical or other puln il mist exposu	nation: Accider attention shoul monary effects ure limit. Heatin	d an acc following	ident of prolong	this type jed or re	e occu epeate
	cause prolonged of the skin of material Contains petroleur inhalation of oil micause respiratory in Routes of Entry:	or significant eye or sl is of this type may res n-based mineral oil. ist at airborne levels a	kin irritation. High-Picult in serious injury.  May cause respirate bove the recommen	ressure Equi Seek immed ory irritation nd mineral o	pment Inform diate medical or other puln il mist exposu	nation: Accider attention shoul monary effects ure limit. Heatin	d an acc following	cident of prolong enerate	this type ged or re vapors t	e occu
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3	cause prolonged of the skin of material Contains petroleur inhalation of oil miscause respiratory in Routes of Entry:  Effects of Exposure: EYES: SKIN: INGESTION: INHALATION: INGESTION: INGESTION: INGESTION: INGESTION: INGESTION: INGESTION: INGESTION: INGESTION: INHALATION:	or significant eye may resent the significant eye of expension of the significant eye of expension of the significant eye of expension eye of	kin irritation. High-Picult in serious injury. May cause respirate bove the recomment headaches, irritating Inhalation:  The das directed. Can seed as directed. Progrash). The eyes, nose, the eyes, nose, the eyes, nose, the seed as directed. Progrash). The eyes, nose, the eyes.  The eyes of the eyes, nose, the eyes,	ressure Equi Seek immed ory irritation and mineral of to the upper YES  cause irritation and may cause por concern and the cause tempolonged or d may cause and the cause tempolonged or d may cause por concern and the cause tempolonged or d may cause por concern and cause tempolonged or	pment Information medical or other pulnish exposurer respiratory to the control of the control o	ation: Accider attention shoul monary effects are limit. Heatin ract.  YES  and temporary intact may cau astrointestinal intered recommen attract; may cau astrointestinal intact may cau astrointestinal intact may cau astrointestinal intered recommen	Inge  lourred vise temperatuse temperatus tempe	stion: st	this type yed or re vapors the ntact de evels, the evels, the	NO  ermati hey a hes ar
4	cause prolonged of the skin of material Contains petroleur inhalation of oil micause respiratory in Routes of Entry:  Effects of Exposure: EYES: SKIN: INGESTION: INHALATION: INGESTION: INGESTION: INGESTION: INGESTION: INGESTION: INGESTION: INGESTION: INGESTION: INHALATION: INGESTION: INHALATION: INGESTION: INHALATION: INGESTION:	or significant eye may resent the significant eye of expension of the significant eye of expension of expension. In the significant eye of expension of expension of expension of expension. In the significant eye of expension of expension of expension of expension of expension of expension.	kin irritation. High-Picult in serious injury. May cause respirate bove the recomment headaches, irritating Inhalation:  I	ressure Equi Seek immed ory irritation and mineral of to the uppe  YES  cause irritation and may cause por concer aroat, and the cause tempo d may cause por concer at, and the r  Id to modera ed exposure ause tempo or concer ause tempo or concer ause tempo	pment Information medical or other pulnil mist exposure respiratory to the respiratory to the respiratory medical exposure respiratory to the respiratory por any irritations exceeds the respiratory traditions exceeds the respiratory traditions exceeds at the r	attion: Accider attention should monary effects ure limit. Heating ract.  YES  The and temporary intact may caused recomment of tract; may caused astrointestinal integration attention. The action intact may caused recomment of tract may caused recomment of tract may caused recomment of the action attention.	Inge lolurred vise temporitation. Inded expense temporitation. Inded expen	stion: st	ntact devels, the development of the d	e occuepeate hat mo
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of Terms Used. Note: All WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-2010 format.



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Prepared to OSHA, ACC, ANSI, WHMIS, NOHSC & 2001/58 FC Standards MSDS Revision: 1.1

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PROTECTIVE EQUIPMENT

SKIN

**EYES** 

					<u> </u>						•				
			3. CC	MPOSITION	ON & INC	REDI	ENT IN	NFOF				151 615		21	
							ACC	~ III		<u> 10HSG</u>	LIMITS	IN AII	OSHA		
									'	ppm			ppm	<u> </u>	OTHER
							pp	<del>III</del>	ES-	ES-	ES-		ppiii		OIIIEK
	CHEMICAL NAME(S) CAS No. RTECS No. EINECS No.			%	TLV	STEL	TWA	STEL		PEL	STEL	IDLH			
	JM GREASE LUBRIC TAINS ONE OR MC			:		≤ 99.5	NA	NA	NF	NF	NF	NA	NA	NA	
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC  64742-65-0 SE750000			SE7500000	265-169-7	NA	5	10	NF	NF	NF	5	10	NA	RESPIRABLE OIL MIST	
	OUAL OILS (PETROL ENT-REFINED	IUM)	64742-01-4	NA	265-101-6	NA	5	10	NF	NF	NF	5	10	NA	RESPIRABLE OIL MIST
SOLV	DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC		64741-88-4	PY8040500	265-090-8	NA	5	10	NF	NF	NF	5	10		RESPIRABLE OIL MIST
ZINC	ALKYLDITHIOPHO	SPHATE	68649-42-3	NA	272-028-3	NA	NA	NA	NF	NF	NF	NA	NA	NA	
Deox	IT® PROPRIETARY A	MIX	TRADE SECRET	UNK	UNK	NA	NA	NA	NF	NF	NF	NA	NA	NA	
				4.	FIRST AID	<b>MEA</b>	SURE	S							
4.1	First Aid:														
	EYES:	15 n	precaution ren ninutes, holding ntion.												
	SKIN: Remove contaminated clothing. Use a waterless hand cleaner, mineral oil, or petroleum jelly to remove the mat Then wash the skin with soap and water If irritation persists, seek prompt medical attention. Do not contaminated clothing until after it has been properly cleaned.														
	INGESTION:		ot induce vomi ediately.	ting! As a pr	ecaution giv	e the pe	erson a	glass o	of wate	er or n	nil to d	rink a	nd ge	t medi	al attention
	INHALATION:	imm	or inhalation un ediately remove ediate medical	e victim to fre	esh air at onc	e. If br	eathing	is diffi	cult, a	dmini					
4.2	Medical Conditions A	00							HE	ALTH	1				1
	None reported b	by the n	nanutacturer.								\ABII	ITY			0
											:AL F		/ PDS		0
									rn	1316	/AL F	IALF	4KD3		U



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Prepared to OSHA, ACC, ANSI, WHMIS, NOHSC & 2001/58 EC Standards MSDS Revision: 1.1 MSDS Revision Date:02/20/2011 5. FIREFIGHTING MEASURES 5.1 Flashpoint & Method: > 244 °C (471 °F) COC (Cleveland Open Cup) 5.2 **Autoignition Temperature:** 5.3 Flammability Limits: Lower Explosive Limit (LEL): ND Upper Explosive Limit (UEL): ND 5 4 Fire & Explosion Hazards: Carbon dioxide, carbon monoxide, hydrocarbons. 5.5 Extinguishing Methods: CO<sub>2</sub>, Alcohol foam, Dry Chemical, Water Fog 5.6 Firefiahtina Procedures: Wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing. Use a water spray to cool containers involved in fire. Do not use direct water stream. Container storage areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure. Keep containers cool until well after the fire is out to prevent rupture. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. 6. ACCIDENTAL RELEASE MEASURES 6.1 Secure spill area and deny entry to all unprotected individuals. Individuals involved in the cleanup should wear appropriate personal protective equipment. Area may become slippery. Absorb product onto porous material, such as sand, clay, diatomaceous earth or commercial absorbent material. Place into leak-proof, approved containers. If necessary, cover all drains and dike well ahead of the spill to prevent runoff into sewers, drains, and all waterways. Contact appropriate local or provincial authorities for assistance and/or reporting requirements. 7. HANDLING & STORAGE INFORMATION 7.1 Work & Hygiene Practices: Wash hands thoroughly after using this product and before eating, drinking, or smoking. Remove soiled clothing to prevent prolonged skin contact. Storage & Handling: 72 Store at temperatures between 59 °F and 95 °F (15 °C and 35 °C) in a dry, well-ventilated location. Keep away from heat, sparks, open flame, and other sources of ignition. Container is not designed to contain pressure. Don not use pressure to empty container or it may rupture with explosive force. Normal shelf-life: 2-3 years. 7.3 Empty containers may contain product residues. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION Use with adequate ventilation (e.g., open doors and windows, local exhaust ventilation). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station). Respiratory Protection: None required, when used with adequate ventilation. If user operations generate an oil mist, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended mineral oil mist exposure limits. 8.3 Wear safety glasses with side shields (ANSI Z87) under normal use conditions. 8.4 None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. In such cases, wear rubber or impervious plastic gloves. 8.5 Use as necessary to prevent skin contact.



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		O DUVCICAL O CHEMICAL DEODEDTIES							
,	Danist	9. PHYSICAL & CHEMICAL PROPERTIES							
.1	Density:	0.72							
2	Boiling Point:	> 240 °C (464 °F)							
3	Melting Point:								
4	Evaporation Rate:	NA NA							
5	Vapor Pressure:	< 0.01 mm Hg @ 20 °C (68 °F)							
6	Molecular Weight:	NA NA							
7	Appearance & Color:	Amber							
8	Odor Threshold:	Ethereal/hydrocarbon odor							
9	Solubility:	Not soluble in water							
10	Ph	NA NA							
.11	Viscosity:	5.4 – 7.5 cSt @ 104 °F							
.12	Other Information:	NA NA							
		<u>'</u>							
		10. STABILITY & REACTIVITY							
		IO. SIADILITI & REACTIVITI							
).1	Stability:	nditions of use (see section 7)							
).2	Hazardous Decomposition Proc	nditions of use (see section 7).							
).2	· ·	s exposure to ultraviolet light or exceeding shelf life. Will not degrade to unstable products. Discard solution							
0.3	Hazardous Polymerization:	s exposore to unitationer light of exceeding shell life. Will flor degrade to unstable products. Discurd solution							
	Will not occur.								
).4	Conditions to Avoid:								
	Use or storage near op- heavily trafficked areas	en flames, sparks, high heat (>100 $^\circ$ F) or other heat sources, and proximity to incompatible substances an .							
0.5	Incompatible Substances:								
	Strong oxidizers such as	peroxides, nitrates, and chlorates.							
		11. TOXICOLOGICAL INFORMATION							
1.1	Toxicity Data:								
	This product has not be	een tested on animals to obtain toxicological data. There are toxicology data for the components of the in the scientific literature. These data have not been presented in this document.							
	Acute Toxicity:	•							
1.2	See section 2.5								
1.2	Chronic Toxicity:								
	Chronic foxicity.								
	See section 2.6								
1.3	See section 2.6 Suspected Carcinogen:								
.3	See section 2.6 Suspected Carcinogen: No. This product contai	ns less than 3% Dimethyl Sulfoxide (DMSO).							
1.3	See section 2.6 Suspected Carcinogen: No. This product contain Reproductive Toxicity:								
1.3	See section 2.6 Suspected Carcinogen: No. This product contai Reproductive Toxicity: This product is not repor	ted to produce reproductive toxicity in humans.							
1.3	See section 2.6 Suspected Carcinogen: No. This product contain Reproductive Toxicity:	ted to produce reproductive toxicity in humans.  This product is not reported to produce mutagenic effects in humans. This product contains alky							
.3	See section 2.6 Suspected Carcinogen: No. This product contai Reproductive Toxicity: This product is not repor	ted to produce reproductive toxicity in humans.  This product is not reported to produce mutagenic effects in humans. This product contains alky dithiophosphates (ZDDPs). Several ZDDPs have been reported to have weak mutagenic activity in the product reported to have weak mutagenic activity in the product reported to have weak mutagenic activity in the product reported to have weak mutagenic activity in the product reported to have weak mutagenic activity in the product reported to have weak mutagenic activity in the product reported to have weak mutagenic activity in the product reported to product reported							
.3	See section 2.6 Suspected Carcinogen: No. This product contai Reproductive Toxicity: This product is not repor	ted to produce reproductive toxicity in humans.  This product is not reported to produce mutagenic effects in humans. This product contains alk							
.3	See section 2.6 Suspected Carcinogen: No. This product contain Reproductive Toxicity: This product is not report Mutagenicity:	ted to produce reproductive toxicity in humans.  This product is not reported to produce mutagenic effects in humans. This product contains alky dithiophosphates (ZDDPs). Several ZDDPs have been reported to have weak mutagenic activity is cultured mammalian cells but only at concentrations that were toxic.							
.3	See section 2.6 Suspected Carcinogen: No. This product contain Reproductive Toxicity: This product is not report Mutagenicity:  Embryotoxicity:	ted to produce reproductive toxicity in humans.  This product is not reported to produce mutagenic effects in humans. This product contains alk dithiophosphates (ZDDPs). Several ZDDPs have been reported to have weak mutagenic activity is cultured mammalian cells but only at concentrations that were toxic.  This product is not reported to produce embryotoxic effects in humans.							
.3	See section 2.6 Suspected Carcinogen: No. This product contain Reproductive Toxicity: This product is not report Mutagenicity:  Embryotoxicity: Teratogenicity:	ted to produce reproductive toxicity in humans.  This product is not reported to produce mutagenic effects in humans. This product contains alk dithiophosphates (ZDDPs). Several ZDDPs have been reported to have weak mutagenic activity is cultured mammalian cells but only at concentrations that were toxic.  This product is not reported to produce embryotoxic effects in humans.  This product is not reported to produce teratogenic effects in humans.							
.3	See section 2.6 Suspected Carcinogen: No. This product contain Reproductive Toxicity: This product is not report Mutagenicity:  Embryotoxicity: Teratogenicity: Reproductive Toxicity:	ted to produce reproductive toxicity in humans.  This product is not reported to produce mutagenic effects in humans. This product contains alk dithiophosphates (ZDDPs). Several ZDDPs have been reported to have weak mutagenic activity cultured mammalian cells but only at concentrations that were toxic.  This product is not reported to produce embryotoxic effects in humans.  This product is not reported to produce teratogenic effects in humans.							
.3 .4 .5 .5	See section 2.6 Suspected Carcinogen: No. This product contain Reproductive Toxicity: This product is not report Mutagenicity:  Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product:	ted to produce reproductive toxicity in humans.  This product is not reported to produce mutagenic effects in humans. This product contains alk dithiophosphates (ZDDPs). Several ZDDPs have been reported to have weak mutagenic activity cultured mammalian cells but only at concentrations that were toxic.  This product is not reported to produce embryotoxic effects in humans.  This product is not reported to produce teratogenic effects in humans.							
1.5	See section 2.6 Suspected Carcinogen: No. This product contain Reproductive Toxicity: This product is not report Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: See Section 2.3	ted to produce reproductive toxicity in humans.  This product is not reported to produce mutagenic effects in humans. This product contains alk dithiophosphates (ZDDPs). Several ZDDPs have been reported to have weak mutagenic activity cultured mammalian cells but only at concentrations that were toxic.  This product is not reported to produce embryotoxic effects in humans.  This product is not reported to produce teratogenic effects in humans.							
1.3	See section 2.6 Suspected Carcinogen: No. This product contain Reproductive Toxicity: This product is not report Mutagenicity:  Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: See Section 2.3 Biological Exposure Indices:	ted to produce reproductive toxicity in humans.  This product is not reported to produce mutagenic effects in humans. This product contains alk dithiophosphates (ZDDPs). Several ZDDPs have been reported to have weak mutagenic activity cultured mammalian cells but only at concentrations that were toxic.  This product is not reported to produce embryotoxic effects in humans.  This product is not reported to produce teratogenic effects in humans.							



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12.1	Environmental Stability: This product will slowly volatile from soil. Components of this product will slowly decompose into organism and specific data available for this product.  Effects on Aquatic Life: This product is a sound of the standard or and st	nic compounds.
	Environmental Stability:  This product will slowly volatile from soil. Components of this product will slowly decompose into organize Effects on Plants & Animals:  There is no specific data available for this product.  Effects on Aquatic Life:	nic compounds.
	Environmental Stability:  This product will slowly volatile from soil. Components of this product will slowly decompose into organize Effects on Plants & Animals:  There is no specific data available for this product.  Effects on Aquatic Life:	nic compounds.
	This product will slowly volatile from soil. Components of this product will slowly decompose into orgonometric on Plants & Animals:  There is no specific data available for this product.  Effects on Aquatic Life:	nic compounds.
12.2	Effects on Plants & Animals:  There is no specific data available for this product.  Effects on Aquatic Life:	
	Effects on Aquatic Life:	
	Effects on Aquatic Life:	
12.3	This mentaging should be broad and of sources and during an explanation and all hading of water Delances.	
	This material should be kept out of sewage and drainage systems and all bodies of water. Releases are expected to be harmful or fatal to overexposed aquatic life.	f large volumes of this product
	13. DISPOSAL CONSIDERATIONS	
13.1	Waste Disposal: Dispose of in accordance with federal, state or local regulations.	
13.2	Special Considerations:	
	NA	
	14. TRANSPORTATION INFORMATION	
	usic description (proper shipping name, hazard class & division, ID Number, packing group) is shown fo conal descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.	each mode of transportation.
14.1	49 CFR (GND):	
14.2	NOT REGULATED  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	MEXICO (SCT):	
	NOT REGULATED	
14.7	ADGR (AUS):	
	NOT REGULATED	
•		•
	15. REGULATORY INFORMATION	
15.1	SARA Reporting Requirements:	
	This product contains the following chemicals subject to the reporting requirements of section 313 c Community Right-to-know Act of 1986 and of CFR 372; 68649-42-3 Zinc Alkydithiophosphate	f the Emergency Planning and
15.2	SARA Threshold Planning Quantity:  NA	
15.3	TSCA Inventory Status:	
10.0	All chemical substances of this product are listed on the TSCA inventory or are otherwise exempt from	nventory status
15.4	CERCLA Reportable Quantity (RQ):	Sinory sidios.
15.4	This product has no CERCLA Reportable Quantity. However, release into a waterway may require rep	orting to the National Response
	Center.	ining to the Humonal Response
15.5	Other Federal Requirements:	
15.6	NA Other Canadian Regulations	
10.0	This product has been classified according to the hazard criteria of the Controlled Products Regulation	
	(CPR) and the MSDS contains all of the information required by the CPR. The components of the product are listed on the DSL/NDSL. None of the components of this product are listed on the Prioritic Substances List.	is (T)
15.7	State Regulatory Information:	
	Components of this product are <u>not</u> listed on any of the following state criteria lists: California O Massachusetts Right to Know List; Pennsylvania Hazardous Substances List 34 323 Appendix A; Wisco NR 605.09; Minnesota Hazardous Substances List, New Jersey Right to Know List; New York Right Substances List; and Florida Toxic Substances List. Under New Jersy Right to Know Act L1983 this follows: Petroleum Oil (Grease).	nsin Hazardous Substances List o Know List; Michigan Critical



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#### 15. REGULATORY INFORMATION- continued

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

The primary component of this product is listed in Annex I of EU Directive 67/548/EEC: Petroleum Distillates: (Xn) Harmful. R: 42/43-48/20 - May cause sensitization by inhalation and skin contact. Harmful: danger of serious damage to health by prolonged exposure through inhalation. S: 2-29-36 - Keep out of the reach of children. Do not empty into drains. Wear suitable protective clothing.



	16.	OTHER INFORMATION
16.1	Other Information:	
	NA	
16.2	Terms & Definitions:	
	See last page of this MSDS.	
16.3	Disclaimer:	
	government regulations must be reviewed for knowledge, the information contained herei completeness are not guaranteed and no we contained herein relates only to the specific pro-	arsuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other applicability to this product. To the best of ShipMate's & CAIG Laboratories, Inc.'s in is reliable and accurate as of this date; however, accuracy, suitability or carranties of any type, either expressed or implied, are provided. The information aduct(s). If this product(s) is combined with other materials, all component properties are time to time. Be sure to consult the latest edition.
16.4	Prepared for: CAIG Laboratories, Inc. 12200 Thatcher Court Poway, CA 92064-6876 +1 (800) CAIG-123 (244-4123) phone +1 (858) 486-8398 fax http://www.caig.com/	CAIG LABORATORIES, INC.
16.5	• • • •	ShipMate*  Dangerous Goods  Training & Consulting



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#### **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
CASNO	L Chemical Abstract Service Number
CAS NO.	Chemical Abstract Service Northber

#### **EXPOSURE LIMITS IN AIR:**

400111	
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.

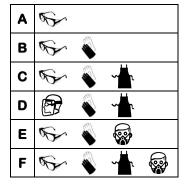
#### HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

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

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



#### PERSONAL PROTECTION RATINGS:







#### OTHER STANDARD ABBREVIATIONS:

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

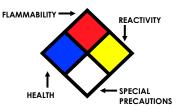
#### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

#### FLAMMABILITY LIMITS IN AIR:

Autoignition	Minimum temperature required to initiate combustion
Temperature	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,
	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
<del>-W</del>	Use No Water
ОХ	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 <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						
TC, TCo, LCio, & LCo	toxic effects						
IARC	International Agency for Research on Cancer						
NTP	National Toxicology Program						
RTECS	Registry of Toxic Effects of Chemical Substances						
BCF	Bioconcentration Factor						
TLm	Median threshold limit						
log Kow or log Koc	Coefficient of Oil/Water Distribution						

#### REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System				
DOT	U.S. Department of Transportation				
TC	Transport Canada				
EPA	U.S. Environmental Protection Agency				
DSL	Canadian Domestic Substance List				
NDSL	Canadian Non-Domestic Substance List				
PSL	Canadian Priority Substances List				
TSCA	U.S. Toxic Substance Control Act				
EU	European Union (European Union Directive 67/548/EEC)				

#### **EC INFORMATION:**

		No.	*			X	X
С	E	F	N	0	T+	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful