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Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards SDS Revision Date: 7/29/2020 SDS Revision: 1.1 1. PRODUCT & COMPANY IDENTIFICATION 11 Product Name ALL-PURPOSE CLEANER 1.2 Chemical Name: 1.3 Synonyms MG0100, MG0101, MG0102, MG0103 Trade Names: MicroGold All-Purpose Cleaner, EPA Registration No. 1839-220-88653 1.4 Product Use: 1.5 All-Purpose Cleaner Distributor's Name: 1.6 Granite Gold, Inc. Distributor's Address: 17 12780 Danielson Court, Suite A, Poway, CA 92064 USA 18 Emergency Phone: CHEMTREC +1 (703) 527-3887 / +1 (800) 424-9300 Business Phone / Fax: Tel: +1 (858) 499-8933 / +1 (800) 475-7866 1.9 2. HAZARDS IDENTIFICATION Hazard Identification: 2.1 This product is classified as a HAZARDOUS SUBSTANCE but not as DANGEROUS GOODS according to the classification criteria of Australian WHS Act & Regulations and Australian Dangerous Goods (ADG) Code. WARNING! MAY BE HARMFUL IF SWALLOWED. MAY BE HARMFUL IN CONTACT WITH SKIN. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE LONG LASTING HARMFUL EFFECTS TO AQUATIC LIFE. Classification: Acute Tox. 4 (dermal), Acute Tox. 5 (oral), Eye Irrit. 2A, Aquatic Chronic 4 2.2 Label Elements: Hazard Statements (H): H303 - May be harmful if swallowed. H312 - May be harmful in contact with skin. H319 - Causes Serious eye irritation. H413 - May cause long lasting harmful effects to Precautionary Statements (P): P276 - Avoid release to the environment. P280 - Wear protective P302+P352 - IF ON SKIN: Wash with plenty of soap and water. gloves/ eye protection. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P312 - Call a POISON CENTER/doctor if you feel unwell. P321 - Specific treatment see this container label or section 4 (First Aid) of this SDS. P405 - Store locked up. P501 Dispose of contents/container to a licensed treatment, storage, or disposal facility (TSDF) Other Warnings: KEEP OUT OF REACH OF CHILDREN. 3. COMPOSITION & INGREDIENT INFORMATION EXPOSURE LIMITS IN AIR (mg/m³) **ACGIH** NOHSC OSHA ppm ppm ppm ES-ES-ES-CHEMICAL NAME(S) PFI IDLH CAS No. RTECS No. **EINECS No** TWA STFI OTHER PROPRIETARY INERT NA NA NA 80-100 NA NA NF NF NF NA NA NA INGREDIENTS QUATERNARY AMMONIUM 68391-01-5 NF NA NA 269-919-4 0-0.5 NA NA NF NF NA NA COMPOUNDS, BENZYL C<sub>12-18</sub> Acute Tox. 4; Skin Corr. 1B; Aquatic Acute 1; H302, H312, H314, H400 ALKYLDIMETHYL, CHLORIDES QUATERNARY AMMONIUM 287-090-7 85409-23-0 NA 0-0.5 NA NA NF NF NF NA NA NA COMPOUNDS, C<sub>12-14</sub> ALKYL [(ETHYL PHENYL) METHYL] Acute Tox. 4; Skin Corr. 1B; Eye Dam. 1; Aquatic Chronic 1; H302, H314, H318, H400, H410 DIMETHYL, CHLÓRIDES 4. FIRST AID MEASURES First Aid: 4.1 DO NOT INDUCE VOMITING! Consult physician immediately or contact the nearest Poison Control Ingestion: Center or local emergency number. Provide an estimate of the time and amount of the substance that was swallowed. Do not give anything by mouth to a convulsing or unconscious person. If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. If Eyes: 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 for at least 15 minutes. Get immediate medical attention. If irritation persists, contact a physician immediately. Inhalation: Remove victim to fresh air. If not breathing, clear victim's airway and start artificial respiration. If victim is having trouble breathing, give supplemental oxygen, if available. Seek immediate medical attention.



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		4. FIRST AID MEASURES – cont	'd
4.2 4.3 4.4 4.5	Symptoms of Overexposure:  Acute Health Effects:  Chronic Health Effects:	Ingestion:  If product is swallowed, immediate burning in mouth, larynx, skeletal muscle paralysis affecting the ability to be the eyes.  It is anticipated that this material will be corrosive to the the eyes direct contact can produce severe eye damages.  Skin:  It is anticipated that this material will be corrosive to the skin in (especially in some sensitive individuals), direct to the skin especially after prolonged and/or repeated of Inhalation:  Inhalation vapors and mist of products can produce irrowing in excess of the levels listed in Section 3 (Contral nervous system depression (e.g., drowsiness, dieter, over the eyes, nose and throat, and, if long continued, drowsiness and lassitud.  Olfactory fatigue may occur. Contact with the eyes may cause permathrough skin contact. Corrosive - causes burns. May cause CNS depression.	preathe, circulatory shock and convulsions.  eyes upon direct or prolonged contact. Irritating exists skin upon direct or prolonged contact. Irritating or prolonged contact can produce severe irritation contact.  itation of mucous membranes; however, inhalatic composition and Ingredient Information) can cau zziness, headaches, nausea).  concentrations can cause headache, irritation of to e, loss of appetite, and inability to concentrate.  anent damage. Harmful by inhalation, ingestion a
4.6	Target Organs:	Eyes, Skin, Respiratory System	
4.7	Medical Conditions	Pre-existing dermatitis, other skin conditions, and disorders of the	HEALTH 2
	Aggravated by Exposure:	target organs (eyes, skin, and respiratory system).	FLAMMABILITY 0
			PHYSICAL HAZARDS 1
			PROTECTIVE EQUIPMENT X
			EYES SKIN LUNGS
		5. FIREFIGHTING MEASURES	
5.2	Extinguishing Methods:	decomposition may also produce toxic vapors/fumes or amines and of	
5.3	Firefighting Procedures:	Use extinguishing agent suitable for the surrounding fire.  As in any fire, wear MSHA/NIOSH approved self-contained breademand) and full protective gear. Keep containers cool until well affispray to cool fire-exposed surfaces and to protect personnel. Fight fire fire control or dilution from entering sewers, drains, drinking water sup Firefighters must use full bunker gear including NIOSH-approved posterathing apparatus to protect against potential hazardous combustic and oxygen deficiencies.	athing apparatus (pressure- ter the fire is out. Use water e upwind. Prevent runoff from oply, or any natural waterway. sitive pressure self-contained
5.3		As in any fire, wear MSHA/NIOSH approved self-contained bredemand) and full protective gear. Keep containers cool until well af spray to cool fire-exposed surfaces and to protect personnel. Fight fire fire control or dilution from entering sewers, drains, drinking water sup Firefighters must use full bunker gear including NIOSH-approved post breathing apparatus to protect against potential hazardous combustic and oxygen deficiencies.  6. ACCIDENTAL RELEASE MEASU	athing apparatus (pressure- ter the fire is out. Use water e upwind. Prevent runoff from oply, or any natural waterway. sitive pressure self-contained on or decomposition products
	Firefighting Procedures:  Spills:	As in any fire, wear MSHA/NIOSH approved self-contained bredemand) and full protective gear. Keep containers cool until well af spray to cool fire-exposed surfaces and to protect personnel. Fight fire control or dilution from entering sewers, drains, drinking water sup Firefighters must use full bunker gear including NIOSH-approved posterathing apparatus to protect against potential hazardous combustic and oxygen deficiencies.	athing apparatus (pressure- ter the fire is out. Use water e upwind. Prevent runoff from oply, or any natural waterway. sitive pressure self-contained on or decomposition products  RES  anup must wear appropriate Personal Protecti nal protective equipment (e.g., goggles, glove material with absorbent material and place in occordance with local, state and federal regulation arm water and soap. Remove any contaminate oted individuals. Dike and contain spill with inc ory or disposal and solid diking material to separa on option of the fire is out. Use water and protective equipment (e.g., goggles, glove material with absorbent material and place in occordance with local, state and federal regulation arm water and soap. Remove any contaminate oted individuals. Dike and contain spill with inc ory or disposal and solid diking material to separa on option of the fire is out.
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6.1	Spills:	As in any fire, wear MSHA/NIOSH approved self-contained bredemand) and full protective gear. Keep containers cool until well afferson to cool fire-exposed surfaces and to protect personnel. Fight fire fire control or dilution from entering sewers, drains, drinking water sup Firefighters must use full bunker gear including NIOSH-approved postoreathing apparatus to protect against potential hazardous combustic and oxygen deficiencies.  6. ACCIDENTAL RELEASE MEASU  Before cleaning any spill or leak, individuals involved in spill cleatequipment.  For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate person Maximize ventilation (open doors and windows). Remove spilled appropriate closed container(s) for disposal. Dispose of properly in at Wash all affected areas and outside of container with plenty of was clothing and wash thoroughly before reuse.  For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotect material (e.g., sand or earth). Transfer liquid to containers for recove containers for proper disposal. Remove contaminated clothing proming water. Keep spills and cleaning runoffs out of drains, municipal sewer.  7. HANDLING & STORAGE INFORMATION.	athing apparatus (pressure- ter the fire is out. Use water a upwind. Prevent runoff from oply, or any natural waterway. sitive pressure self-contained on or decomposition products  RES  anup must wear appropriate Personal Protecti nal protective equipment (e.g., goggles, glove material with absorbent material and place in ccordance with local, state and federal regulation arm water and soap. Remove any contaminate cted individuals. Dike and contain spill with incry or disposal and solid diking material to separa nptly and wash affected skin areas with soap a se and open bodies of water.
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6.1	Spills:	As in any fire, wear MSHA/NIOSH approved self-contained bredemand) and full protective gear. Keep containers cool until well afferson to cool fire-exposed surfaces and to protect personnel. Fight fire fire control or dilution from entering sewers, drains, drinking water sup Firefighters must use full bunker gear including NIOSH-approved postoreathing apparatus to protect against potential hazardous combustic and oxygen deficiencies.  6. ACCIDENTAL RELEASE MEASU  Before cleaning any spill or leak, individuals involved in spill cleat Equipment.  For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate person Maximize ventilation (open doors and windows). Remove spilled appropriate closed container(s) for disposal. Dispose of properly in at Wash all affected areas and outside of container with plenty of was clothing and wash thoroughly before reuse.  For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotect material (e.g., sand or earth). Transfer liquid to containers for recove containers for proper disposal. Remove contaminated clothing pront water. Keep spills and cleaning runoffs out of drains, municipal sewer.  7. HANDLING & STORAGE INFORMAD Do not ingest. Do not get in eyes, on skin, on clothing. Avoid brea with the product. After use, wash hands and exposed skin with so	athing apparatus (pressure- ter the fire is out. Use water e upwind. Prevent runoff from oply, or any natural waterway. sitive pressure self-contained on or decomposition products  RES  anup must wear appropriate Personal Protecti nal protective equipment (e.g., goggles, glove material with absorbent material and place in ccordance with local, state and federal regulation arm water and soap. Remove any contaminate cted individuals. Dike and contain spill with incry or disposal and solid diking material to separa interpretation of the protection o



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3.1	Exposure Limits:		AC	GIH		NOHSC			OSHA		OTHER
	ppm (mg/m³)	CUENICAL NAME(O)	T1.1/	OTEL	FO T14/4	ES-	ES-	DEL	OTEL	ID. II	
		NA	TLV NA	STEL NA	ES-TWA NF	STEL NF	PEAK NF	PEL NA	STEL NA	IDLH NA	
.2	Ventilation & Engineering	When working with large quantities					ation (e.g.				ı, fans). Ensu
	Controls:		hat an eyewash station, sink or washbasin is available in case of exposure to eyes.				<u> </u>				
.3	Respiratory Protection:	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									
		necessary, use only respiratory §1910.134, or applicable U.S. state									
		E.C. member states, or Australia.	te regula	tions, or	ine approp	mate sta	indards or	Canada	, its prov	nces,	
.4	Eye Protection:		ere there	e is a pot	ential for e	eve conta	act. Use s	afety gla	asses with	n side	0.6
		Wear chemical splash goggles where there is a potential for eye contact. Use safety glasses with side shields under normal use conditions. If necessary, refer to U.S. OSHA 29 CFR §1910.133, Canadian									
_		standards, or the European Standards									
.5	Hand Protection:	Rubber or neoprene, when neede									ann
		will occur during use of this product \$1910.138, the appropriate standard						10 0.5.	USHA 28	CFR	
.6	Body Protection:	No special body protection is r						e and h	andling.	Wear	
		appropriate protective clothing, lo							ssary, re		
		appropriate standards of Canada,	the EU n	nember s	tates, or U	.S. OSH	Α.				
		O DUVCICAL	0 011		VI DD	)DED	TIEC				
4	A	9. PHYSICAL	& CH	EIVIICA	AL PRO	JPER	IIES				
.1	Appearance: Odor:	Thin clear liquid									
.3	Odor Threshold:	None									
4	pH:	NA 4.0-7.0									
.5	Melting Point/Freezing Point:	NA									
6	Initial Boiling Point/Boiling	NA									
7	Range: Flashpoint:										
.7 .8	Upper/Lower Flammability	NA									
.0	Limits:	NA									
.9	Vapor Pressure:	NA									
.10	Vapor Density:	NA									
.11	Relative Density:	~ 1.1									
.12	Solubility:  Partition Coefficient (log Pow):	Soluble									
.13	Autoignition Temperature:	NA NA									
.15	Decomposition Temperature:	NA NA									
.16	Viscosity:	NA									
.17	Other Information:	NA									
		1									
		10. STA	BILIT'	Y & R	EACTI	VITY					
0.1	Stability:	Stable									
0.2	Hazardous Decomposition Products:	Thermal decomposition may prod and nitrogen.	uce toxio	vapors/	fumes or a	amines a	and other	organic	materials	and ox	ides of carb
0.3	Hazardous Polymerization:	Will not occur.		· · · · · ·							
0.4	Conditions to Avoid:	Exposure or contact to extreme ter	mperatur	es, incon	npatible ch	emicals,	strong ligi	nt source	es, sparks	, flame	
0.5	Incompatible Substances:	Strong oxidizers, peroxides, strong	g acids o	r alkalis.							
		44 TOVICO	1.00	<u> </u>	VEO D	A A T!	<b>N</b>				
1		11. TOXICO	LOGI	CALI			אכ	1			
1.1	Routes of Entry:	Inhalation: YES		T	Absorption:			. 100	Ingesti		
1.2	Toxicity Data:	This product was not tested on a document.	anımals.	Ioxicity	data is a	vallable i	n scientifi	c literati	ire but is	not pr	esented in t
1.3	Acute Toxicity:	See Section 4.4									
1.4	Chronic Toxicity:	See Section 4.5									
1.5	Suspected Carcinogen:	This product does not contain an reproductive harm. For more inform						ιο cause	cancer,	טורנח מפ	elects, or of



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Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards SDS Revision: 1.1 SDS Revision Date: 7/29/2020 11. TOXICOLOGICAL INFORMATION – cont'd Reproductive Toxicity 11 6 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 toxicity in humans. 11.7 Irritancy of Product: See Section 4.3 11.8 Biological Exposure Indices ΝE 11.9 Physician Recommendations: Treat symptomatically 12. ECOLOGICAL INFORMATION 12.1 Environmental Stability: There are no specific data available for this product. 12 2 Effects on Plants & Animals: There are no specific data available for this product Effects on Aquatic Life 12.3 There are no specific data available for this product 13. DISPOSAL CONSIDERATIONS Waste Disposal: 13.1 Review current local, state, and federal laws, codes, statutes, and regulations to determine current status and appropriate disposal method. Any disposal practice must follow local, state, and federal laws and regulations. 13.2 Special Considerations: 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): 14.1 **NOT REGULATED** 14.2 IATA (AIR): **NOT REGULATED** IMDG (OCN): 14.3 **NOT REGULATED** TDGR (Canadian GND): 14.4 **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: This product does not contain any substance subject to SARA Title III, section 313 reporting requirements SARA TPQ: 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. 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 CPR and the SDS contains all of the information required by the CPR. The components of this product are not listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. WHMIS D2B (Other Toxic Effects) 15.7 State Regulatory Information: Quaternary Ammonium Compounds, C<sub>12-14</sub> Alkyl Dimethyl Ethyl Methyl Ammonium Chlorides is found on the following state criteria list: Massachusetts Hazardous Substances List (MA) and Pennsylvania Right-to-Know List (PA). 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 List (WI) Other Requirements: 15.8 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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		16. OTHER INF	ORMATION	
16.1	Other Information:	WARNING! MAY BE HARMFUL IF SWALLOWED. MAY BE HARMFUL IN CONTACT WITH SKIN. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE LONG LASTING HARMFUL EFFECTS TO AQUATIC LIFE. Use only as directed. Avoid release to the environment. Wear protective gloves/ eye protection. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Call a POISON CENTER/doctor if you feel unwell. Specific treatment: see the container label or section 4 (First Aid) of this SDS. Store locked up. Keep tightly closed until ready to use. 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 & Granite Gold'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:	Granite Gold, Inc. 9170 Chesapeake Drive San Diego, CA 92123 USA Tel: +1 (858) 499-8933 http://www.granitegold.com/	MicroGold	
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 N	

#### **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	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	<b>ELL</b>	THE STATE OF THE S	
Е			
F			

G				
Н		The second second	THE STATE OF THE S	
I		The second second		
J			<b>a</b>	
K	e e		<b>A</b>	
X	Consult your supervisor or SOPs fo special handling directions.			SOPs for



# OTHER STANDARD ABBREVIATIONS:

Carc	Carcinogenic	
Irrit	Irritant	
NA	Not Available	
NR	No Results	
ND	Not Determined	
NE	Not Established	
NF	NF Not Found	
SCBA	Self-Contained Breathing Apparatus	
Sens	Sens Sensitization	
STOT RE	Specific Target Organ Toxicity – Repeat Exposure	
STOT SE	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 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	ppm Concentration expressed in parts of material per million parts			
TD <sub>io</sub>	Lowest dose to cause a symptom			
TCLo	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	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>(A)</b>	<b>(2)</b>		$\odot$	(4)	(F)	
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:

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