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		1.	PRODUC	CT & COM	PANY	IDE	NTII	-ICA	TIOI	N				
1.1	Product Name:	GRANIT	TE GOLD F	PENETRA	TING	SEA	LER							
1.2	Chemical Name:	Aqueous Sc	lution											
1.3	Synonyms:	GG0036, G	30056											
1.4	Trade Names:	Granite Gold	d Penetrating Se	ealer (207-0060	02-1)									
1.5	Product Use:	Sealant												
1.6	Distributor's Name:	Granite Gold	d, Inc.											
1.7	Distributor's Address:	9170 Chesa	peake Drive, Sa	an Diego CA 92	123 USA									
1.8	Emergency Phone:	CHEMTR	EC +1 (703)	527-3887 /	+1 (800)	424-	9300)						
1.9	Business Phone / Fax:	Tel: +1 (858) 499-8933											
			2 11	474DDC	IDENT	IFIC	A T1/	<u> </u>						
2.1	Hazard Identification:	Duamanad in		AZARDS					ا اماما			4L OCI	14 00	OED 4040 4000
2.1	riazard identification.		accordance wit HMIS and Aust				ndards	s. Inte	naea t	o com	piy wi	th USI	TA 29	CFR 1910.1200.
						-	e eki	N IPPI	TATIO	N CA	IISES	SEDI	OUS E	YE IRRITATION.
		_	BLE LIQUID.	II OL II SWAL	LOVVLD. V	JAUGL	-0 0K	IIV IIVIVI		/I I . OA	OOLC	JEIN	003 L	ILIKKITATION.
		Classificatio	n: Acute Tox. 5;	Skin Irrit. 2; Ey	e Irrit. 2A	Flam.	Liq. 4							
2.2	Label Elements:		ements (H): H30						auses s	skin irr	itation	. H319	_	
		Causes seri	ous eye irritatior	n. H227 – Com	oustible lic	μid.								
		Precautiona	ry Statements (P): P210 – Kee	p away fro	m hea	t, hot s	surface	s, spar	ks, op	en flar	nes ar	ıd	
			n sources. No											(!)
			noke when usir											•
			P301+P312 – IF											
			- IF ON SKIN:											À
			ously with water											
			nsing. P321 - Sp											
			tion occurs: Ge											マツ/
			/ice/attention. P										е.	
			 In case of fire ose of contents 			,	-			шюе	xungu	iisti.		
2.3	Other Warnings:									4	4			-1!
2.0	Outor Warnings.		or an exposure may seek advic								t a pn	ysıcıar	or loca	al poison control
			OF REACH OF		manulac	urer, a	iiu Sii	Jw triei	11 11115	ച്ചാ				
		INEEL OOT	OF READITION	OTHEDICEIV.										
		3. C	OMPOSIT	TON & INC	GREDI	ENT	INF	ORN	TAN	ION				
											IMITS II	N AIR (m		
						AC	GIH		NOHSC			OSHA	١	
						p	pm		ppm			ppm	1	
СНЕМІ	CAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	OTHER
WATE	•	7732-18-5	ZC0110000	231-191-2	60-100	NE	NE	NF	NF	NF	NE	NE	NE	
WAIL			Terr	Table	1			1				1		
FLEX	IPEL PAF-30 ®	NA	NA	NA	7-13	NA	NA	NF	NF	NF	NA	NA	NA	
		67-63-0	NT8050000	200-661-7	1-5	400	500	400	500	NF	400	500	2000	400 TWA
ISOP	ROPANOL		Eye Irrit. 2; STO	•										
BLITC	XYETHANOL	111-76-2	KJ8575000	203-905-0	1-5	50	75	96.9	50	242	50	NA	240	Skin
ВОТС	DATETHANOL	Acute Tox.	1 *; Eye Irrit. 2; Ski	in Irrit. 2; H332, F	1312, H302,	H319, I	H315							
	L =			FIRST A										
4.1	First Aid:	Ingestion:												Poison Control
														mediate medical
				vomiting occur	s spontan	eously	, keep	victim	's hea	d lowe	ered (f	orward	t) to re	duce the risk of
		_	aspiration.				_							P. 17. 3
		Eyes:											ılding e	yelid(s) open to
			•	ete flushing. If										
		Skin:												n persists, seek
		Inhelation		al attention. D										
		Inhalation:												icult, administer ficial respiration.
	<u> </u>		Supplemental	onygon and se	on minibul	ato 1116	aiodi C		11 101	Junini	g stop	J, PUIT	ziiii ai li	ποιαι τοσριτατίστι.



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Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, EU & GHS Standards

SDS Revision: 5.4

SDS Revision Date: 6/16/2021

		A FIDET A	ID MEASURES - coi	nt'd					
4.0	Effects of Evenouses								
4.2	Effects of Exposure:	· ·	ed, may cause nausea, vomiting	and/or diarrhe	a.				
		Eyes: Moderately irritating to the eyes. Skin: This product can cause mild, transient skin irritation with short-term exposure. This product can cause							
			,		•		ıcı can	cause allerg	
			rashes, welts, dermatitis) upon p ct may be irritating to the nose, th				iratory	cyctom	
4.3	Symptoms of Overexposure:	Symptoms of skin overexposure ma							
	cymptome of overexpectate.								
		cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upoprolonged or repeated exposure.							
4.4	Acute Health Effects:	Moderate irritation to eyes and skin	near affected areas. Additionally	high concent	rations of	vapors ca	n caus	e drowsines	
		dizziness, headaches and nausea.		, 3		'			
4.5	Chronic Health Effects:	The material may accentuate any p	ore-existing dermatitis condition.						
4.6	Target Organs:	Eyes, Skin & Respiratory System.							
4.7	Medical Conditions	Persons with pre-existing skin disor		HEALTH	1			2	
	Aggravated by Exposure:	kidney function may be more susce	eptible to the effects of the	FLAMM	ARII ITY	,		1	
		substance.		PHYSIC				0	
				PROTE	CTIVE E	QUIPME	NT	B	
				EYES	SKIN				
		5. FIREF	IGHTING MEASURE	S					
5.1	Fire & Explosion Hazards:	COMBUSTIBLE LIQUID. This pro	oduct is a non-flammable liquid	When invol	ved in a	fire, this			
		product may ignite and decompose	to form toxic gases (e.g., CO, C	O ₂ , NO _x).					
5.2	Extinguishing Methods:	CO ₂ , Halon (if permitted), Dry Chen	nical, Foam.					1	
5.3	Firefighting Procedures:	This product is a combustible liqui-	id. When involved in a fire, this	product may	ignite rea	adily and		2	
		decompose to produce carbon oxid	les.						
		First responders should wear eye protection. Structural firefighters must wear SCBAs and full							
		protective equipment. Use a water		ect vapors. V	Vater ma	y not be		\	
		effective in actually extinguishing a	fire involving this product.						
		6 ACCIDENT	AL RELEASE MEAS	IIDES					
6.1	Spills:	Before cleaning any spill or leak, ind							
		For small spills (e.g., < 1 gallon (3.8							
		ventilation (open doors and window and place into appropriate closed or regulations. Wash all affected ar contaminated clothing and wash the For large spills (e.g., ≥ 1 gallon (3.8 (e.g., sand or earth). Use ONLY n or disposal and solid diking materia and wash affected skin areas with bodies of water.	ontainer(s) for disposal. Dispose reas and outside of container of oroughly before reuse. B L)), deny entry to all unprotecte non-sparking tools for recovery a al to separate containers for prop	of properly in vith plenty of d individuals. In cleanup. The disposal.	accordar warm warm Dike and ransfer li Remove o	contain specification	cal, star soap. pill with ntainers ted clot	rbent materite and feder Remove an inert materites for recove hing prompt	
		and place into appropriate closed or regulations. Wash all affected an contaminated clothing and wash the For <u>large spills</u> (e.g., ≥ 1 gallon (3.8 (e.g., sand or earth). Use ONLY n or disposal and solid diking materia	ontainer(s) for disposal. Dispose reas and outside of container of oroughly before reuse. B L)), deny entry to all unprotecte non-sparking tools for recovery a al to separate containers for prop	of properly in vith plenty of d individuals. In cleanup. The disposal.	accordar warm warm Dike and ransfer li Remove o	contain specification	cal, star soap. pill with ntainers ted clot	rbent materi te and feder Remove ar inert materi s for recove hing prompt	
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7.1	Work & Hygiene Practices:	and place into appropriate closed or regulations. Wash all affected ar contaminated clothing and wash the For large spills (e.g., ≥ 1 gallon (3.8 (e.g., sand or earth). Use ONLY n or disposal and solid diking materia and wash affected skin areas with bodies of water.	ontainer(s) for disposal. Dispose reas and outside of container voroughly before reuse. B L)), deny entry to all unprotecte non-sparking tools for recovery a lat to separate containers for propagoraph and water. Keep spills at STORAGE INFORM	of properly in vith plenty of d individuals. In the cleanup. The disposal. If d cleaning rule.	accordar warm ward Dike and ransfer li Remove conoffs out	ce with logater and secontain specification contain specification contaminate of municipal contaminates.	cal, sta soap. pill with ntainers ted clot pal sew	rbent materi te and feder Remove ar inert materi s for recove hing prompt ers and ope	
7.1	Work & Hygiene Practices:	and place into appropriate closed or regulations. Wash all affected ar contaminated clothing and wash the For large spills (e.g., ≥ 1 gallon (3.8 (e.g., sand or earth). Use ONLY n or disposal and solid diking materia and wash affected skin areas with bodies of water. 7. HANDLING & Use normal hygiene practices. Aveating, drinking, or smoking.	ontainer(s) for disposal. Dispose reas and outside of container voroughly before reuse. 3 L)), deny entry to all unprotecte non-sparking tools for recovery a lat to separate containers for propagate soap and water. Keep spills at STORAGE INFORM wold direct skin contact. Washed personal hygiene practices, si	of properly in vith plenty of d individuals. In d cleanup. The disposal. If d cleaning rule. IATION mands thorough.	accordar warm wa Dike and ransfer li Remove c noffs out	contain sp quid to co contaminat of municip	cal, starsoap. pill with ntainersted clotopal sew	rbent materi te and feder Remove ar inert materi s for recove hing prompt ers and ope	
		and place into appropriate closed or regulations. Wash all affected ar contaminated clothing and wash the For large spills (e.g., ≥ 1 gallon (3.8 (e.g., sand or earth). Use ONLY n or disposal and solid diking materia and wash affected skin areas with bodies of water. 7. HANDLING & Use normal hygiene practices. Aveating, drinking, or smoking. Good contaminated clothing, are recomm	ontainer(s) for disposal. Dispose reas and outside of container voroughly before reuse. 3 L)), deny entry to all unprotecte non-sparking tools for recovery a lat to separate containers for propagate soap and water. Keep spills at STORAGE INFORM wold direct skin contact. Washed personal hygiene practices, si	of properly in vith plenty of d individuals. In d cleanup. The disposal. If d cleaning rule. IATION mands thorough.	accordar warm wa Dike and ransfer li Remove c noffs out	contain sp quid to co contaminat of municip	cal, starsoap. pill with ntainersted clotopal sew	rbent materite and feder Remove ar inert materis s for recove hing prompt ers and ope	
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7.2 7.3	Storage & Handling: Special Precautions: Exposure Limits:	and place into appropriate closed or regulations. Wash all affected ar contaminated clothing and wash the For large spills (e.g., ≥ 1 gallon (3.8 (e.g., sand or earth). Use ONLY n or disposal and solid diking materia and wash affected skin areas with bodies of water. 7. HANDLING 8 Use normal hygiene practices. Aveating, drinking, or smoking. Good contaminated clothing, are recomm Keep away from sources of heat. Follow all instructions on product la of children.	ontainer(s) for disposal. Dispose reas and outside of container voroughly before reuse. 3 L)), deny entry to all unprotecte non-sparking tools for recovery a lat to separate containers for programmer soap and water. Keep spills at STORAGE INFORM wold direct skin contact. Wash d personal hygiene practices, strended. ROLS & PERSONAL ACGIH NOH	of properly in vith plenty of dindividuals. In disposal. If disposal in disposal in disposal in the disposal in not in use. If the property is the property in the property is the property in the property in the property in the property is the property in the property in the property in the property is the property in	Dike and ransfer li Remove conoffs out	contain specific contain specific contain specific contaminate of municipal contact contact	cal, star soap. pill with ntainers ted clot pal sew s produc areas a	rbent materite and feder Remove ar inert materis s for recove hing prompt ers and ope	
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7.1 7.2 7.3 8.1 8.2	Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m³) Ventilation & Engineering	and place into appropriate closed or regulations. Wash all affected ar contaminated clothing and wash the For large spills (e.g., ≥ 1 gallon (3.8 (e.g., sand or earth). Use ONLY n or disposal and solid diking materia and wash affected skin areas with bodies of water. 7. HANDLING 8 Use normal hygiene practices. Aveating, drinking, or smoking. Good contaminated clothing, are recomm Keep away from sources of heat. Follow all instructions on product la of children. 8. EXPOSURE CONTE CHEMICAL NAME(S) ISOPROPANOL BUTOXYETHANOL General mechanical (e.g., fans) or regulations.	ontainer(s) for disposal. Disposereas and outside of container voroughly before reuse. B L)), deny entry to all unprotecte non-sparking tools for recovery a lat to separate containers for program and water. Keep spills and the separate containers for program and water. Keep spills and the separate containers for program and water. Washed personal hygiene practices, strended. ROLS & PERSONAL ACGIH NOH TLV STEL ES-TWA STEL 400 500 400 50 75 96.9 50 matural ventilation is sufficient while prevent buildup of vapors or misshbasin is available in case of experience.	of properly in vith plenty of dindividuals. In disposal. If disposal. If disposal in disposal in not in use. If the property is the property of the property in the product of the property of	Dike and ransfer likemove conoffs out half after gany ski where the second state of th	contain significant special sp	cal, starsoap. poill with ntainers ted clot pal sew areas a semicals IDLH 2000 240 al or ge this pro	rbent materite and feder Remove are inert materies for recove thing prompiers and operated and removires out of reactions out	



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	8. I	EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd
8.4	Eye Protection:	Avoid eye contact. Protective eyewear that conforms to ANSI Z87.1 (or other applicable and appropriate standards) should be used when handling any chemical product.
8.5	Hand Protection:	Use gloves constructed of chemical resistant materials such as neoprene or heavy nitrile rubber if frequent or prolonged contact is expected.
8.6	Body Protection:	Not required under normal conditions of use. Use appropriate protective equipment (e.g., apron) as necessary to prevent or reduce exposure if frequent or prolonged contact is expected.
		9. PHYSICAL & CHEMICAL PROPERTIES
9.1	Appearance:	Clear liquid
9.2	Odor:	Slight alcohol odor
9.3	Odor Threshold:	NA NA
9.4	pH:	7.0-8.0
9.5	Melting Point/Freezing Point:	NA NA
9.6	Initial Boiling Point/Boiling Range:	100 °C (212 °F) @ 760 mm Hg
9.7	Flashpoint:	>60°C and <=93°C (estimated)
9.8	Upper/Lower Flammability Limits:	NA
9.9	Vapor Pressure:	NA
9.10	Vapor Density:	NA CONTRACTOR OF THE CONTRACTO
9.11	Relative Density:	1.000 @ 25 °C (77 °F)
9.12	Solubility:	Complete
9.13	Partition Coefficient (log Pow):	NA Laboratoria de la constanta
9.14	Autoignition Temperature: Decomposition Temperature:	NA
9.15	· · · · · · · · · · · · · · · · · · ·	NA
9.16	Viscosity:	NA CONTRACTOR OF THE CONTRACTO
9.17	Other Information:	2.97% VOC
		10. STABILITY & REACTIVITY
10.1	Stability:	Stable under normal conditions of use.
10.2	Hazardous Decomposition Products:	None known.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Strong oxidizers and reducing agents.
10.5	Incompatible Substances:	Strong oxidizing agents, strong acids and bases.
		11. TOXICOLOGICAL INFORMATION
11.1	Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: NO
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of the product and is presented below: Butoxyethanol: LD ₅₀ (oral, rat) = 470 mg/kg; LC ₅₀ (inh-4h, rat) = 450 ppm; ACGIH – Biological Exposure Indices (BEI) 200
		mg/kg
11.3	Acute Toxicity:	See Section 4.4
11.4	Chronic Toxicity:	See Section 4.5
11.5	Suspected Carcinogen:	This product contains <u>Butoxyethanol</u> and <u>Isopropyl Alcohol</u> , which are not carcinogenic to humans, but are listed as Group 3 carcinogens by the IARC.
11.6	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity:	This product is not reported to produce teratogenic effects in humans.
	Reproductive Toxicity:	This product is not reported to produce reproductive effects in humans.
11.7	Irritancy of Product:	See Section 4.2
11.8	Biological Exposure Indices:	NE NE
11.9	Physician Recommendations:	



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		12. ECOLOGICAL INFORMATION
12.1	Environmental Stability:	The components of this product will slowly degrade over time into a variety of organic compounds. Specific environmental data available for the components of this product are as follows: Sopropyl Alcohol: Log K _{OW} = 0.05-0.14. Isopropyl alcohol occurs naturally; it is generated during microbial degradation of plant and animal wastes. When released on land or water, it is apt to volatilize and biodegrade. The estimated half-life in water is 5.4 days. Isopropyl alcohol is not expected to bioconcentrate.
12.2	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:	Review current local, state and federal laws, codes, statutes and regulations to determine current status and appropriate disposal method for the ingredients listed in Section 2. Any disposal practice must be in compliance with local, state, and federal laws and regulations.
13.2	Special Considerations:	NA .
		14. TRANSPORTATION INFORMATION
Tho	basis description (ID Numl	ber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional
desc	riptive information may be	required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.
14.1	49 CFR (GND):	NOT REGULATED 49 CFR §173.150(f)
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:	This product contains Isopropanol, a substance subject to SARA Title III, section 313 reporting requirements.
15.2	SARA TPQ:	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 listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List.
15.7	State Regulatory Information:	Isopropanol is found on the following state criteria lists: California Proposition 65 (CA65), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), Pennsylvania Right-to-Know List (PA), and Washington Permissible Exposures List (WA). Butoxyethanol is found on the following state criteria list: FL, MA, MN, NJ, PA and WA. No other 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 York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI). 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 .
15.8	Other Requirements:	This product is found on the following inventory lists: Australia - AICS, China – IECSC, Europe – ELINCS/EINEC, Japan – ENCS; Korea – KECI; New Zealand – NZIoC; {Philippines – PICCS; USA – TSCA.



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		16. OTHER INFO	ORMATION			
16.1	Other Information:	WARNING! MAY BE HARMFUL IF SWALLOWED. CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION. COMBUSTIBLE LIQUID. Use as directed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/ eye protection/face protection. IF SWALLOWED: call a POISON CENTER/doctor. Rinse mouth. 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. Specific treatment: See section 4 of this Safety Data Sheet. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use CO ₂ , halon (if permitted), dry chemical or foam to extinguish. KEEP OUT OF REACH OF CHILDREN.				
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.				
16.3	Disclaimer:	government regulations must be reviewed for a knowledge, the information contained herein is completeness is not guaranteed and no warrantic contained herein relates only to the specific prod	OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other oplicability to this product. To the best of ShipMate's & Granite Gold's reliable and accurate as of this date; however, accuracy, suitability or as of any type, either expressed or implied, are provided. The information uct(s). If this product(s) is combined with other materials, all component anged 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/				
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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Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, EU & GHS Standards

SDS Revision: 5.4

SDS Revision Date: 6/16/2021

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	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

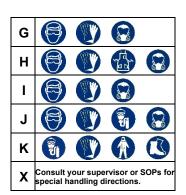
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

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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	RE Specific Target Organ Toxicity – Repeat Exposure	
STOT SE	Specific Target Organ Toxicity – Single Exposure	

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILI	TY 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:

Minimal Hazard		FLAMMABILITY				
1	Slight Hazard	REACTIVITY				
2	Moderate Hazard					
3	Severe Hazard					
4	Extreme Hazard					
ACD	Acidic					
ALK	Alkaline					
COR	Corrosive	/ \ \ \ \				
₩ Use No Water		HEALTH 🔪				
ОХ	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 Lowest dose to cause a symptom			
TDio				
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, 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	TC Transport Canada				
EPA	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	WGK Wassergefährdungsklassen (German Water Hazard Class)				

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

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	Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
C	Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

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

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