

Page 1 of 6 **BC-004**

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards

SDS Revision: 2.1

1.1	Product Name:	PERMA	BLUE [®] P	ASTE GU	N BLU	E								
1.2	Chemical Name:	Acid Mixture				_								
1.3	Synonyms:	13322												
1.4	Trade Names:	Perma Blue®	Paste Gun Blu	le										
1.5	Product Use:	Metal Finishi	na	-										
1.6	Distributor's Name:	Birchwood C												
1.7	Distributor's Address:			lope, MN., 554	27 USA									
1.8	Emergency Phone:			-9300 / +1 (7		887 0	r Pois	son Co	ontrol	Cen	ter +1	(866)	291-7	152
1.9	Business Phone / Fax:	+1 (952) 388		0000711(1	00,0210	001 0			/////	0011		(000)	2017	102
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			2. H	AZARDS	IDENT	IFIC	ΑΤΙΟ	DN						
2.1	Hazard Identification:	[NOHSC: 10 DANGER! TOXIC TO A Classification	88 (2004)] and TOXIC IF SW QUATIC LIFE <u>n</u> : Acute ToxC	s a hazardous ADG Code (Ar ALLOWED OF WITH LONG L Dral 3 ; Acute T 301+H331 – Tc	ustralia). R INHALE ASTING E oxInh. 3;	D. CA EFFEC Skin C	USES TS. orr. 1A	SEVE	ERE S	KIN B	URNS	OR E	YE DA	
		burns and eye damage. H410 – Very toxic to aquatic life with long lasting effects. Precautionary Statements (P): P260 – Do not breathe dust or mist. P261 – Avoid breathing fume/vapors. P264 – Wash with soap and water thoroughly after handling. P270 – Do not eat, drink, or smoke when using this product. P271 – Use only outdoors or in a well-ventilated area. P273 – Avoid release to the environment. P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing. P311 – Call a Poison Center +1-866-291-7152/doctor. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 – Specific treatments see this container label and section 4 First Aid of this SDS. P330 – Rinse mouth. P363 – Wash contaminated clothing before reuse. P391 – Collect spillage. P403+P233 – Store in a well-ventilated place. Keep container tightly closed. P405 – Store locked up. P501 – Dispose of contents/container to a licensed treatment,												
23	Other Warnings:	storage or di	95 – Štore lock sposal facility (ed up. P501 - (TSDF).	- Dispose	of con	tents/c	containe	er to a	licens	sed tre	atmen	t,	
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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards

SDS Revision: 2.1

4.2		4. FIRST AID MEASURES – cont'd				
∠.ד	Effects of Exposure:	Eyes: Severe or permanent eye damage.				
		Skin: Burns upon direct contact.				
		Ingestion: Severe burns of mouth, throat, stomach.				
		Inhalation: Severe irritation or burns in respiratory tract and mucous members	nbranes. F	Possible lung	g damage.	
4.3	Symptoms of Overexposure:	Eyes: Redness, burning, irritation, and swelling around eyes				
		Skin: Redness, burning, itching, rash, blistering of skin.				
		Ingestion: Nausea, vomiting, severe abdominal pain.				
		Inhalation: Coughing, wheezing, swelling of throat, irritation in mucous me				
4.4	Acute Health Effects:	May be harmful if inhaled. Material is extremely destructive to the tissue respiratory tract. May be harmful if swallowed. Causes burns. May be harmful				upper
4.5	Chronic Health Effects:	May damage the nervous system, kidney and/or liver.				
4.6	Target Organs:	Eyes, Skin, Nervous System, Kidneys, Liver, Respiratory System				
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions, and disorders of the target	EALTH			3
	33	organs (eyes, skin, and respiratory system) or impaired kidney function	LAMMAE	BILITY		0
		may be more susceptible to the effects of this substance.	HYSICAL	L HAZARD	S	2
					-	
				IVE EQUIF	r	Н
			YES	SKIN	LUNGS	
4.8	Notes to Physician:	This product contains <u>Selenious Acid</u> and is potentially fatal if ingested ev should be considered in asymptomatic or minimally symptomatic patients as edema and multi-organ failure may occur. 24/7 medical toxicology consultation	is delayed	toxic effects	s including pul	missior monary
			n is avalla		55) 261-1742.	
		5. FIREFIGHTING MEASURES				
5.1	Fire & Explosion Hazards:	Non-flammable. May react with metals to release hydrogen gas, which can with air. May intensity fire; oxidizer.	n form exp	olosive mixtu	res	
5.2	Extinguishing Methods:	Use fire-extinguishing media appropriate for surrounding materials.				
		as for surrounding materials. Hazardous decomposition products may degradation may produce oxides of carbon, phosphorous, selenium and/or and/or derivatives. Fire should be fought from a safe distance. Keep contai the fire is out. Use water spray to cool fire-exposed surfaces and to prot upwind. Prevent runoff from fire control or dilution from entering sewers, drain or any natural waterway.	or nitrogen ainers coo otect perso	n, hydrocarbo I until well at onal. Fight	ons fter fire	2
		6. ACCIDENTAL RELEASE MEASURES				
0.4	0					
6.1	Spills:	Before cleaning any spill or leak, individuals involved in spill cleanup mu Equipment (PPE). Use safety glasses or safety goggles and face shield; use apron, boots, etc.) to prevent skin contact. <u>Small Spills</u> : Wear appropriate protective equipment including gloves and pro- inert material such as vermiculite or sand to soak up the product and place into <u>Large Spills</u> : Keep incompatible materials (e.g., organics such as oil) away for or release. Isolate immediate hazard area and keep unauthorized personnel of done with minimal risk. Wear appropriate protective equipment including re- Recover as much free liquid as possible and collect in acid-resistant contained discharging liquid directly into a sewer or surface waters.	nust wear e gloves a rotective e to a conta from spill. out of are respiratory	eyewear. Us iner for later Stay upwin ea. Stop spill protection a	btective clothin de a non-comb disposal. d and away fr l or release if it as conditions y	g (e.g., ustible, om spil can be varrant
6.1	Spills:	Before cleaning any spill or leak, individuals involved in spill cleanup mu Equipment (PPE). Use safety glasses or safety goggles and face shield; use apron, boots, etc.) to prevent skin contact. <u>Small Spills</u> : Wear appropriate protective equipment including gloves and pro- inert material such as vermiculite or sand to soak up the product and place into <u>Large Spills</u> : Keep incompatible materials (e.g., organics such as oil) away for or release. Isolate immediate hazard area and keep unauthorized personnel of done with minimal risk. Wear appropriate protective equipment including re Recover as much free liquid as possible and collect in acid-resistant container	nust wear e gloves a rotective e to a conta from spill. out of are respiratory her. Use at	eyewear. Us iner for later Stay upwin ea. Stop spill protection a	btective clothin de a non-comb disposal. d and away fr l or release if it as conditions y	g (e.g., ustible, om spil can be varrant
6.1	Spills: Work & Hygiene Practices:	Before cleaning any spill or leak, individuals involved in spill cleanup multiple Equipment (PPE). Use safety glasses or safety goggles and face shield; use apron, boots, etc.) to prevent skin contact. Small Spills: Wear appropriate protective equipment including gloves and procinert material such as vermiculite or sand to soak up the product and place into Large Spills: Keep incompatible materials (e.g., organics such as oil) away for release. Isolate immediate hazard area and keep unauthorized personnel of done with minimal risk. Wear appropriate protective equipment including reflective as much free liquid as possible and collect in acid-resistant contained discharging liquid directly into a sewer or surface waters. 7. HANDLING & STORAGE INFORMATION Avoid breathing mists or spray. Avoid eye and skin contact. Wear protective e of the reach of children. Do not eat, drink or smoke when handling this produce expose to heat and flame. Use only in ventilated areas. Keep out of the reach	nust wear le gloves a rotective e to a contai from spill. out of are respiratory her. Use at N equipment uct. Wash	and other pro eyewear. Us iner for later Stay upwin a. Stop spill protection a bsorbent to p t when handl t thoroughly	betective clothin disposal. Ind and away fr or release if it as conditions work bick up residue	g (e.g., ustible, om spil can be varrant e. Avoid eep ou Do no
		Before cleaning any spill or leak, individuals involved in spill cleanup multiple Equipment (PPE). Use safety glasses or safety goggles and face shield; use apron, boots, etc.) to prevent skin contact. Small Spills: Wear appropriate protective equipment including gloves and procinert material such as vermiculite or sand to soak up the product and place into Large Spills: Keep incompatible materials (e.g., organics such as oil) away for release. Isolate immediate hazard area and keep unauthorized personnel of done with minimal risk. Wear appropriate protective equipment including reflective as much free liquid as possible and collect in acid-resistant contained discharging liquid directly into a sewer or surface waters. 7. HANDLING & STORAGE INFORMATION Avoid breathing mists or spray. Avoid eye and skin contact. Wear protective e of the reach of children. Do not eat, drink or smoke when handling this production.	nust wear regloves a rotective e to a contai from spill. out of are respiratory her. Use at N equipment uct. Wash each of chi rentilation, not in use.	and other pro eyewear. Us iner for later Stay upwin a. Stop spill protection a bsorbent to p t when handl t thoroughly ildren. Immo fans) away . Avoid temp	te a non-comb disposal. d and away fr l or release if ii as conditions of bick up residue ling product. K after handling. ediately clean from heat an peratures abov	g (e.g., ustible, om spil can be varrant a. Avoid eep ou Do no up and d direc



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3.1	Exposure Limits:		AC	GIH		NOHSC			OSHA		OTHER
	ppm (mg/m ³)					ES-	ES-				
			TLV	STEL	ES-TWA	STEL	PEAK	PEL	STEL	IDLH	
		SELENIOUS ACID	(0.2)	NA 4	(0.2)	NF 4	NF NF	(0.2)	NA NA	NA 25	-
		CUPRIC PHOSPHATE	2	4 NA	NF	4 NF	NF	1	NA	NA	
2	Ventilation & Engineering	Use local or general exhaust vent	tilation to								rated from
	Controls:	handling of this product. Ensure a station).	ppropriat	te decon	tamination	equipme	nt is avail	able (e.g.	, sink, sa	fety show	
.3	Respiratory Protection:	n instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia.									
.4	Eye Protection:		Safety glasses with side shields must be used when handling or using this product. A protective face 🧟 👰								
.5	Hand Protection:	Wear protective, chemical-resistar	nt gloves	(e.g., ne	oprene) wł	nen using	ı or handli	ng this pr	oduct.		
.6	Body Protection:	A chemical resistant apron and/o product.	or protect	ive cloth	ing are re	commen	ded when	handling	or using	g this	
		9. PHYSICAL	& CH	EMIC	AL PR	OPER	TIES				
.1	Appearance:	Blue paste									
2	Odor:	Odorless									
3	Odor Threshold:	NA									
4	pH:	1.5									
5	Melting Point/Freezing Point:	NA									
6	Initial Boiling Point/Boiling	> 100 °C (> 212 °F)									
7	Range: Flashpoint:	148.8 °C (300 °F) OC									
8	Upper/Lower Flammability	· · · · · · · · · · · · · · · · · · ·									
-	Limits:	NA									
.9	Vapor Pressure:	NA									
.10	Vapor Density:	< 1.0 (Air = 1.0)									
.11	Relative Density:	1.011									
.12	Solubility:	Soluble									
.13	Partition Coefficient (log Pow):	NA									
.14	Autoignition Temperature:	NA									
.15	Decomposition Temperature:	NA									
.16	Viscosity:	NA									
.17	Other Information:	Evaporation Rate: < 1.0 (Ethyl Eth	er = 1.0)								
		10. STA		Y & R	FACTI	νιτγ					
0.1	Stability:	Stable at normal temperatures.			_/	••••					
0.2	Hazardous Decomposition Products:	Reaction with organics and stror decomposition may produce selen						nides an	d hydrog	en sele	nide. Theri
0.3	Hazardous Polymerization:	Will not occur.	ium, mut	ogen, pri	sphone al	ia coppe	i uxides.				
0.3	Conditions to Avoid:										
0.5	Incompatible Substances:	Excessive heat, shock, friction. Cyanides, water-reactive substan materials, most metals.	ices, stro	ong redu	cing agent	s, chlorir	nated clea	aners or s	sanitizers	, combu	ustible orga
	1				NEOP						
1.1	Routes of Entry:	11. TOXICO			Absorption				Ingest	ion: YE	S
1.2	Toxicity Data:	<u>Cupric Sulfate</u> : LD_{50} (oral, rat) = 3	300 ma/k	a		. ==		-	-		
1.3	Acute Toxicity:	See Section 4.4		0							
1.4	Chronic Toxicity:	See Section 4.5									
1.5	Suspected Carcinogen:	Components in this product are lis	sted by IA	RC as G	iroup 3 (No	ot classifi	able as to	its carcin	ogenicity	to hum:	ans).
1.6	Reproductive Toxicity:	This product is not reported to cau					4510 45 10		sgementy		
-	Mutagenicity:	This product is not reported to pro									
	Embryotoxicity:	This product is not reported to pro		0							
	Teratogenicity:	This product is not reported to cau									
			use repro								



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	1	11. TOXICOLOGICAL INFORMATION – cont'd
11.7	Irritancy of Product:	See Section 4.2
11.8	Biological Exposure Indices:	NE
1.9	Physician Recommendations:	Treat symptomatically.
		12. ECOLOGICAL INFORMATION
2.1	Environmental Stability:	There are no specific data available for this product.
2.2	Effects on Plants & Animals:	There are no specific data available for this product.
12.3	Effects on Aquatic Life:	Very toxic to aquatic life with long lasting effects. <u>Phosphoric Acid</u> : EC ₅₀ (Daphnia magna, 12h) = 4.6 mg/L
		13. DISPOSAL CONSIDERATIONS
13.1	Waste Disposal:	Review current local, state and federal laws, codes, statutes and regulations to determine current status and appropri disposal method for the ingredients listed in Section 2. Any disposal practice must be in compliance with local, state, federal laws and regulations. Contact the appropriate agency for specific information. Treatment, transport, storage disposal of hazardous waste must be provided by a licensed facility or waste hauler.
13.2	Special Considerations:	U.S. EPA Hazardous Waste – Characteristic - Corrosive (D002), Characteristic - Toxic (D010)
		14. TRANSPORTATION INFORMATION
		proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive inform
may	be required by 49 CFR, IATA/	CAO, IMDG and the CTDGR.
14.1	49 CFR (GND):	UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC ACID), 8, II (IP VOL ≤ 1.0 L LTD QTY), or CONSUMER COMMODITY, ORM-D (UNTIL 12/31/20)
4.2	IATA (AIR)*:	UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC ACID), 8,II, (IP VOL ≤ 0.1 L LTD QTY)
4.3	IMDG (OCN):	UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC ACID), 8, II (IP VOL ≤ 1.0 L LTD QTY)
4.4	TDGR (Canadian GND):	UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC ACID), 8, II (IP VOL ≤ 1.0 L LTD QTY)
4.5	ADR/RID (EU):	UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC ACID), 8, II (IP VOL ≤ 1.0 L LTD QTY)
4.6	SCT (MEXICO):	UN3264, LIQUIDOS, CORROSIVOS, ACIDO, INORGANICO, N.E.P. (ACIDO SELENIO, ACIDO NITRICO), 8, II (IP VOL ≤ 1.0 L CANTIDAD LIMITADA ()
4.7	ADGR (AUS):	UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC ACID), 8, II (IP VOL \leq 1.0 L , LTD QTY)
		15. REGULATORY INFORMATION
15.1	SARA Reporting Requirements:	This product contains <u>Nitric Acid</u> , <u>Cupric Sulfate</u> and <u>Selenious Acid</u> , substances subject to SARA Title III, Section reporting requirements.
15.2	SARA TPQ:	302 TPQ (Nitric Acid): 1,000 lbs (454 kg)
5.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
5.4	CERCLA Reportable Quantity:	Selenious Acid: 10 lbs (4.54 kg); Nitric Acid: 1,000 lbs (454 kg); Cupric Sulfate: 10 lbs (4.54 kg)
5.5	Other Federal Requirements:	NA
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the MSDS 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. WHMIS Class E (Corrosive Material). WHMIS Class D1 (Materials Causing Immediate and Serious Toxic Effects).
15.7	State Regulatory Information:	<u>Selenious Acid</u> is found on the following state criteria lists: Florida Toxic Substances List (FL), Massachus Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (and Wisconsin Hazardous Substances List (WI). <u>Nitric Acid</u> is found on the following state criteria lists: FL, MA, MN, New Jersey Right-to-Know List (NJ), PA,
		 Washington Permissible Exposures List (WA). No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the follow state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida To Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (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).
15.8	Other Requirements:	This product does not contain any chemicals known to the State of California to cause cancer or
		other reproductive harm. For more information go to www.P65Warnings.ca.gov



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		16. OTHER INFORMATION
16.1	Other Information:	DANGER! TOXIC IF SWALLOWED OR INHALED. CAUSE SEVERE SKIN BURNS OR EYE DAMAGE. VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. Avoid breathing fume/vapors. Wash with soap and water thoroughly after handling. Do not eat, drink, or smoke when using this product. Use only outdoors or in a well- ventilated area. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a Poison Center +1-866-291-7152/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatments see this container label and section 4 First Aid of this SDS. Rinse mouth. Collect spillage. Store in a well- ventilated place. Keep container tightly closed. Store locked up. KEEP LOCKED UP AND 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 & Birchwood Casey, LLC 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:	Birchwood Casey, LLC 3260 Winpark Drive New Hope, MN 55427 USA Tel: +1 (952) 388-6717 Email: customerservice@birchwoodcasey.com http://www.birchwoodCasey.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



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SDS Revision Date: 10/25/2018

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	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:

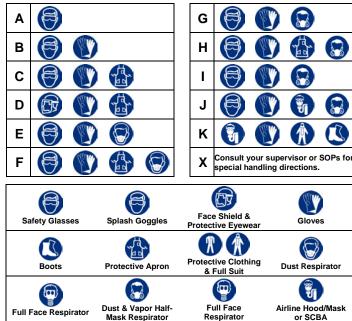
CPR	Cardiopulmonary resuscitation - method in which a person whose heart has
	stopped receives manual chest compressions and breathing to circulate blood
	and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard	HEALTH
1	Slight Hazard	FLAMMABILITY
2	Moderate Hazard	PHYSICAL HAZARDS
3	Severe Hazard	PERSONAL PROTECTION
4	Extreme Hazard	

PERSONAL PROTECTION RATINGS:



OTHER STANDARD ABBREVIATIONS:

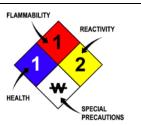
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA						
FLAMMABILI	FLAMMABILITY LIMITS IN AIR:					
Autoignition	Minimum temperature required to initiate combustion in air with no					
Temperature	of ignition					

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	FL
1	Slight Hazard	FL
2	Moderate Hazard	
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	/
W	Use No Water	HE
ох	Oxidizer	
TREFOIL	Radioactive	



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals			
LC 50	Lethal concentration (gases) which kills 50% of the exposed animal			
ppm Concentration expressed in parts of material per million parts				
TD _{Io} Lowest dose to cause a symptom				
TCLo	Lowest concentration to cause a symptom			
TD _{Io} , LD _{Io} , & LD _o or	Lowest dose (or concentration) to cause lethal or toxic effects			
TC, TC _o , LC _{lo} , & LC _o				
IARC	International Agency for Research on Cancer			
NTP	National Toxicology Program			
RTECS	Registry of Toxic Effects of Chemical Substances			
BCF	Bioconcentration Factor			
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:

\bigcirc	۲	٢		Ð	(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:

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