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BC-009

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 2.1 SDS Revision Date: 10/25/2018 1. PRODUCT & COMPANY IDENTIFICATION 1 1 Product Name **BRASS BLACK METAL FINISH** Steve's Wholesale Ltd. Units 5 - 7 / 408 The Esplanade 1.2 Chemical Name Acid Mixture Island Bay Wellington 6023 1.3 Synonyms 15225, 15232 team@steveswholesale.nz Trade Names: 1.4 Brass Black Metal Finish **Emergency Contact: Steve Collings** Product Use: 1.5 Blackening Solution for Brass & Copper 0800 303 303 Distributor's Name: 1.6 Birchwood Casey, LLC 0274 905 708 Distributor's Address: 3260 Winpark Drive, New Hope, MN., 55427 USA 1.7 Poison Control 0800 POISON (0800 764 766) ChemTrec +1 (800) 424-9300 / +1 (703) 527-3887 or Poison Control Center +1 (866) 291-7152 1.8 Emergency Phone: +1 (952) 388-6717 1.9 Business Phone / Fax: 2. HAZARDS IDENTIFICATION 2.1 Hazard Identification: This product is classified as a hazardous substance and as dangerous goods according to the classification criteria of [NOHSC: 1088 (2004)] and ADG Code (Australia). DANGER! TOXIC IF SWALLOWED. MAY CAUSE SEVERE SKIN BURNS OR EYE DAMAGE. MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. Classification: Acute Tox. 3; Skin Cor. 1; STOT RE 2; Aquatic Chronic 1 2.2 Label Elements: Hazard Statements (H): H301 - Toxic if swallowed. H314 - Causes severe skin burns and eye damage. H373 - May cause damage to organs through prolonged or repeated exposure. H410 -Very toxic to aquatic life with long lasting effects. Precautionary Statements (P): P264 - Wash thoroughly after handling. P260 - Do not breathe dust or mist. P270 - Do not eat, drink or smoke when using this product, 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. P303+P361+P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P314 - Get medical advice/attention if you feel unwell. P321 - Specific treatments see this container label or section 4 of this SDS. P330 - Rinse mouth. P391 - Collect spillage. P405 -Store locked up. P501 - Dispose of contents/ container to an approved waste disposal plant. 2.3 Other Warnings: In the event of an exposure or medical inquiry involving this product, please contact a physician or local poison control center, who may seek advice from the U.S. manufacturer, and show them this SDS. KEEP OUT OF REACH OF CHILDREN. 3. COMPOSITION & INGREDIENT INFORMATION EXPOSURE LIMITS IN AIR (mg/m³) ACGIH NOHSC **OSHA** ppm ppm ppm ES-PEAK ES-STEL TLV PEL STEL IDLH OTHER CHEMICAL NAME(S) RTECS No. EINECS No. TWA CAS No. STEL 7732-18-5 ZC0110000 231-791-2 60-100 NA NA NF NF NF NA NA NA WATER 7664-38-2 TB6300000 231-633-2 7-13 (1) (3) 1 3 NF NA NA 1000 PHOSPHORIC ACID Skin Corr. 1B; H314 VS7175000 231-974-7 1-5 (0.2) NA (0.2) NF NF (0.2) NA NA 7783-00-8 SELENIOUS ACID Acute Toxicity-Inh 3; Acute Toxicity-Oral 3; STOT RE 2; Acute Aquatic Toxicity 1; Chronic Aquatic Toxicity 1); H301, H331 (1) NA NF NF NF (1) NA 1000 NA 7758-99-8 NA 1-5 **CUPRIC SULFATE** Acute Toxicity 4; H302 236-031-3 1-5 (10) NA NF NF NF NA NA 13106-76-8 NA AMMONIUM MOLYBDATE Acute Toxicity 4; Skin Irritation 2; Eye Irritation 2; Specific Target Organ Toxicity-Single Exposure 3; H302, H315, H319, H335 7733-02-0 QR9600000 232-104-9 1-3 (0.1) NA NF NF NF (1) NA NA ZINC SULFATE Acute Toxicity 4; Eye Damage 1; Acute Aquatic Toxicity 1; Chronic Aquatic Toxicity 1; H302, H318, H400, H410



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			4. FIRST AID MEASURES	
4.1	First Aid:	Ingestion:	DO NOT INDUCE VOMITING. Contact Poison Control Cer Control Center or local emergency telephone number for a medical attention. If vomiting occurs spontaneously, keep visk of aspiration.	assistance and instructions. Seek immediate
		Eyes:	If product gets in the eyes, flush eyes thoroughly with copic holding eyelid(s) open to ensure complete flushing. If the following use, consult a physician or emergency room immediately.	he eyes or face become swollen during or
		Skin:	Remove contaminated clothing and wash affected areas and/or the skin reaction worsens, contact a physician immuntil after it has been properly cleaned.	with soap and water. If discomfort persists
		Inhalation:	Remove victim to fresh air at once. Under extreme correspiration. Seek immediate medical attention.	nditions, if breathing stops, perform artificial
4.2	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 me	embranes. Possible lung 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	
4.4	Acute Health Effects:		mful if inhaled. Material is extremely destructive to the tist	
4.5	Chronic Health Effects:		act. May be harmful if swallowed. Causes burns. May be harm	nui ii absorbed trirougri skiri.
4.6	Target Organs:	, ,	the nervous system, kidney and/or liver.	Dlood Forming Organo Bonco
4.7	Medical Conditions		lervous System, Kidneys, Liver, Respiratory System, Spleen, E	
7.7	Aggravated by Exposure:		e skin respiratory system liver blood-forming organs) or	HEALTH 3
			function may be more susceptible to the effects of this	FLAMMABILITY 0
		substance.		PHYSICAL HAZARDS 0
				PROTECTIVE EQUIPMENT H
			<u> </u>	EYES SKIN LUNGS
4.8	Notes to Physician:	This product	contains Selenious Acid and is potentially fatal if ingested	
4.0	Notes to Friguesian.	should be cor	nsidered in asymptomatic or minimally symptomatic patients nulti-organ failure may occur. 24/7 medical toxicology consultates	as delayed toxic effects including pulmonary
			5. FIREFIGHTING MEASURES	
5.1	Fire & Explosion Hazards:		ole. May react with metals to release hydrogen gas, which ca intensity fire; oxidizer.	an form explosive mixtures
5.2	Extinguishing Methods:	Use fire-exting	guishing media appropriate for surrounding materials.	_
5.3	Firefighting Procedures:	approved or e as for surrou degradation r	fire, firefighters should wear appropriate protective equipment equivalent self-contained breathing apparatus (SCBA) and pro ounding materials. Hazardous decomposition products m may produce oxides of carbon, phosphorous, selenium and	otective clothing. Fight fires lay be released. Thermal Wor nitrogen, hydrocarbons
		the fire is our	tives. Fire should be fought from a safe distance. Keep con it. Use water spray to cool fire-exposed surfaces and to p rent runoff from fire control or dilution from entering sewers, dr. I waterway.	rotect personal. Fight fire
			•	, ,
6.4	Coille		6. ACCIDENTAL RELEASE MEASURES	
6.1	Spills:	Equipment (P apron, boots, Small Spills: V inert material Large Spills:	ing any spill or leak, individuals involved in spill cleanup PPE). Use safety glasses or safety goggles and face shield; u etc.) to prevent skin contact. Wear appropriate protective equipment including gloves and such as vermiculite or sand to soak up the product and place. Keep incompatible materials (e.g., organics such as oil) awa solate immediate hazard area and keep unauthorized personnice.	use gloves and other protective clothing (e.g., protective eyewear. Use a non-combustible, into a container for later disposal. by from spill. Stay upwind and away from spill



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		7. HANDLING	3 & ST	ORAG	E INFO	DRMA	TION				
7.1	Work & Hygiene Practices:	Avoid breathing mists or spray.									
		of the reach of children. Do not									
		expose to heat and flame. Use decontaminate any spills or resi		ntilated	areas. Kee	ep out or	tne reacn	or chilar	en. imn	nediately	clean-up and
7.2	Storage & Handling:	Use and store in a cool, dry,		ted locat	ion (e.a. l	ocal exh	aust venti	lation fa	ns) away	/ from h	eat and direct
		sunlight. Store in acid-resistant									
		(120 °F). Keep away from inco									
7.3	Special Precautions:	Empty containers may retain ha	zardous pr	oduct res	idues.						
		8. EXPOSURE CON			RSON		ROTEC	CTION			
8.1	Exposure Limits: ppm (mg/m ³)		AC	GIH		NOHSC ES-	ES-		OSHA	I	OTHER
	ppin (mg/m)	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	STEL	PEAK	PEL	STEL	IDLH	
		PHOSPHORIC ACID	(1)	(3)	1	3	NF	NA	NA	1000	
		SELENIOUS ACID	(0.2)	NA	(0.2)	NF	NF	(0.2)	NA	NA	
		CUPRIC PHOSPHATE	(10)	NA	NF	NF	NF.	1	NA	NA	
		AMMONIUM MOLYBDATE ZINC SULFATE	(10)	NA NA	NF NF	NF NF	NF NF	NA (1)	NA NA	NA NA	
8.2	Ventilation & Engineering	Use local or general exhaust ve									rated from the
	Controls:	handling of this product. Ensure station).	appropria	te decon	tamination	equipme	nt is availa	able (e.g.	, sink, sa	ifety sho	wer, eye-wash
8.3	Respiratory Protection:	In instances where vapors or sp	rays of this	product	are genera	ated, and	respirato	ry protect	ion is ne	eded,	
		use only protection authorized b									
		CAS Standard Z94.4-93 and	applicable	standard	ls of Cana	adian Pro	ovinces, E	C memb	per State	es, or	6.0
8.4	Eye Protection:	Australia. Safety glasses with side shields shield is also recommended.	s must be	used wh	en handling	g or usin	g this prod	duct. A p	orotective	e face	
8.5	Hand Protection:	Wear protective, chemical-resist	ant gloves	(e.g., ne	oprene) wł	nen using	or handlir	ng this pr	oduct.		
8.6	Body Protection:	A chemical resistant apron and product.	d/or protect	tive cloth	ing are re	commen	ded when	handling	or usin	g this	An
		9. PHYSICA	L & CH	EMIC	AL PR	OPER	TIES				
9.1	Appearance:	Clear, blue liquid									
9.2	Odor: Thresholds	Odorless									
9.3	Odor Threshold: pH:	NA 0.00									
9.5	Melting Point/Freezing Point:	0.99 NA									
9.6	Initial Boiling Point/Boiling										
	Range:	> 100 °C (> 212 °F)									
9.7	Flashpoint:	NA									
9.8	Upper/Lower Flammability Limits:	NA									
9.9	Vapor Pressure:	NA									
9.10	Vapor Density:	< 1.0 (Air = 1.0)									
9.11	Relative Density:	1.094									
9.12	Solubility:	Complete (water)									
9.13	Partition Coefficient (log Pow):										
	Partition Coefficient (log Pow).	NA									
9.14	Autoignition Temperature:	NA NA									
9.14 9.15											
	Autoignition Temperature:	NA									
9.15	Autoignition Temperature: Decomposition Temperature:	NA NA	ther = 1.0)								
9.15 9.16	Autoignition Temperature: Decomposition Temperature: Viscosity:	NA NA Evaporation Rate: < 1.0 (ethyl e									
9.15 9.16	Autoignition Temperature: Decomposition Temperature: Viscosity:	NA NA NA		Y & R	EACTI	VITY					
9.15 9.16	Autoignition Temperature: Decomposition Temperature: Viscosity:	NA NA Evaporation Rate: < 1.0 (ethyl e		Y & R	EACTI	VITY					
9.15 9.16 9.17	Autoignition Temperature: Decomposition Temperature: Viscosity: Other Information:	NA NA NA Evaporation Rate: < 1.0 (ethyl e	ABILIT	ing age	nts can pr	oduce o					nide. Thermal
9.15 9.16 9.17	Autoignition Temperature: Decomposition Temperature: Viscosity: Other Information: Stability: Hazardous Decomposition	NA NA NA Evaporation Rate: < 1.0 (ethyl e 10. ST Stable at normal temperatures. Reaction with organics and st	ABILIT	ing age	nts can pr	oduce o					nide. Thermal
9.15 9.16 9.17 10.1 10.2	Autoignition Temperature: Decomposition Temperature: Viscosity: Other Information: Stability: Hazardous Decomposition Products:	NA NA NA Evaporation Rate: < 1.0 (ethyl e 10. ST Stable at normal temperatures. Reaction with organics and st decomposition may produce sel	ABILIT	ing age	nts can pr	oduce o					nide. Thermal



CERCLA Reportable Quantity:

Other Federal Requirements:

Other Canadian Regulations:

NA

Serious Toxic Effects).

15.4

15.5

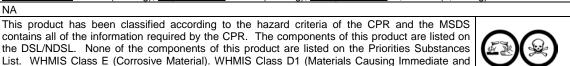
15.6

SAFETY DATA SHEET

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BC-009 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 2.1 SDS Revision Date: 10/25/2018 11. TOXICOLOGICAL INFORMATION Inhalation: YES Routes of Entry: Absorption: YES 11 1 Inaestion: YES Toxicity Data: 112 Solution: LD₅₀ (oral, rat) = 1,030 mg/kg; Phosphoric Acid: LD₅₀ (oral, rat) = 1,530 mg/kg 11.3 Acute Toxicity: See Section 4.4 Chronic Toxicity: 11.4 See Section 4.5 11.5 Suspected Carcinogen: Components in this product are listed by IARC as Group 3 (Not classifiable as to its carcinogenicity to humans). 11.6 Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. Mutagenicity: This product is not reported to produce embryotoxic effects in humans. Embryotoxicity: Teratogenicity: This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. Reproductive Toxicity: 11.7 Irritancy of Product: See Section 4.2 11.8 Biological Exposure Indices: NE Physician Recommendations: 11.9 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. 12.3 Effects on Aquatic Life: Very toxic to aquatic life with long lasting effects. Phosphoric Acid: EC₅₀ (Daphnia magna, 12h) = 4.6 mg/L 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 for the ingredients listed in Section 2. Any disposal practice must be in compliance with local, state, and federal laws and regulations. Contact the appropriate agency for specific information. Treatment, transport, storage and disposal of hazardous waste must be provided by a licensed facility or waste hauler. Special Considerations: U.S. EPA Hazardous Waste - Characteristic - Corrosive (D002), Characteristic - Toxic (D010) 13.2 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) UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, PHOSPHORIC ACID), 8, III, LTD QTY (IP VOL ≤ 5.0 L) IATA (AIR)*: UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, PHOSPHORIC ACID), 8, III, LTD QTY (IP VOL ≤ 0.5 L) IMDG (OCN): 14.3 UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, PHOSPHORIC ACID), 8, III, LTD QTY (IP VOL ≤ 5.0 L) TDGR (Canadian GND): 14.4 UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, PHOSPHORIC ACID), 8, III, LTD QTY (IP VOL ≤ 5.0 L) ADR/RID (EU): 14.5 UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, PHOSPHORIC ACID), 8, III, LTD QTY (IP VOL ≤ 5.0 L) 14.6 SCT (MEXICO): UN3264, LIQUIDOS, CORROSIVOS, ACIDO, INORGANICO, N.E.P. (ACIDO SELENIO, ACIDO FOSFORICO), 8, III, CANTIDAD LIMITADA (IP VOL ≤ 5.0 L) ADGR (AUS): 14.7 UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, PHOSPHORIC ACID), 8, III, LTD QTY (IP VOL ≤ 5.0 L) 15. REGULATORY INFORMATION HSR002677 15.1 SARA Reporting This product contains Selenious Acid, Cupric Sulfate and Phosphoric Acid, substances subject to SARA Title III, Section Requirements: 313 reporting requirements. 15.2 SARA TPQ: TSCA Inventory Status: 15.3 The components of this product are listed on the TSCA Inventory.

Selenious Acid: 10 lbs (4.54 kg); Cupric Sulfate: 10 lbs (4.54 kg); Phosphoric Acid: 5,000 lbs (2,270 kg)





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		15. REGULATORY INFORMATION – cont'd
15.7	State Regulatory Information:	Selenious Acid is found on the following state criteria lists: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), and Wisconsin Hazardous Substances List (WI). Zinc Sulfate is found on the following state criteria lists: MA, and PA. Phosphoric Acid is found on the following state criteria lists: FL, MA, MN, and PA. 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 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 .
		40.000
		16. OTHER INFORMATION 11.01.2021
16.1	Other Information:	DANGER! TOXIC IF SWALLOWED. MAY CAUSE SEVERE SKIN BURNS OR EYE DAMAGE. MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. Do not breathe dust or mist. Wash thoroughly after handling. Do not breathe dust/fume/vapor. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell. Specific treatment see this container label or section 4 of this SDS. Wash contaminated clothing before reuse. Collect spillage. 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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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			

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	2 Moderate Hazard		
3	3 Severe Hazard		
4	Extreme Hazard		



PERSONAL PROTECTION RATINGS:

Α			
В			
С		THE STATE OF THE S	
D	E STATE OF THE STA	THE STATE OF THE S	
Е			
F		, TI	

G				
Н			H.	
I				
J			FI	
K	F		Ŵ	
Х	Consult y	our supe andling d	rvisor or irections.	SOPs for



OTHER STANDARD ABBREVIATIONS:

Carcinogenic	
Irritant	
Not Available	
No Results	
Not Determined	
Not Established	
Not Found	
Self-Contained Breathing Apparatus	
Sensitization	
Specific Target Organ Toxicity – Repeat Exposure	
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 source			
Temperature	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	/ X W Y
W	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				
TD _{io}	Lowest dose to cause a symptom			
TCLo	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	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	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	®	(2)	(X)	Θ	(%)		
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	N. C.		\Diamond		*
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment