

Page 1 of 6

SAFETY DATA SHEET **BTI-059** Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision Date: 3/14/2017 SDS Revision: 2.0 1. PRODUCT & COMPANY IDENTIFICATION Product Name 11 ANTIQUE BLACK® M17C2 1.2 Chemical Name: Acid Mixture 1.3 Synonyms 710258 Antique Black® M17C2 Trade Names: 1.4 Product Use: 1.5 Blackening Solution for Brass & Copper Distributor's Name: 1.6 Birchwood Laboratories LLC 7900 Fuller Road, Eden Prairie, MN 55344 USA Distributor's Address: 1.7 ChemTrec +1 (800) 424-9300 / +1 (703) 527-3887 or Poison Control Center +1 (855) 281-1742 18 Emergency Phone: 1.9 Business Phone / Fax: +1 (952) 937-7900 / +1 (952) 937-7979 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! MAY INTENSIFY FIRE; OXIDIZER. TOXIC IF SWALLOWED. MAY CAUSE SEVERE SKIN BURNS OR EYE DAMAGE. MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. Classification: Ox. Liq. 2; Acute Tox. 3; Skin Corr. 1A; STOT SE 2; Chronic Aquatic Toxic 1 Label Elements: 2.2 Hazard Statements (H): H272 - May intensify fire; Oxidizer. 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): P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P220 - Keep/Store away from clothing/ combustible materials. 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. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P370+P378 - In case of fire: Use fire-extinguishing media appropriate for surrounding materials. 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 FS-FS-FS-CHEMICAL NAME(S) RTECS No. EINECS No. TLV STEL TWA PEAK PFI STFI IDI H OTHER CAS No STEL 7732-18-5 ZC0110000 231-791-2 60-100 NE NE NF NF NF NE NE NE WATER VS7175000 231-974-7 10-30 (0.2) NA (0.2) NF NF (0.2) SELENIOUS ACID Acute Toxicity-Inh 3; Acute Toxicity-Oral 3; STOT RE 2; Acute Aquatic Toxicity 1; Chronic Aquatic Toxicity 1); H301, H331 7697-37-2 QU5775000 231-714-2 7-13 2 4 2 5.2 NF 2 NA 25 NITRIC ACID Oxidizing Liquid 3; Skin Corrosion 1A; H272, H314 7758-99-8 NA NA 7-13 (1) NA NF NF NF (1) NA 1000 CUPRIC SUI FATE Acute Toxicity 4; H302 TB6300000 231-633-2 (1) (3) NF NF NF NA NA 7664-38-2 1-5 1000 PHOSPHORIC ACID Metal Corrosion 1; Skin Corrosion1B; H290, H314 4. FIRST AID MEASURES Do not induce vomiting. Call +1 (855) 281-1742 for emergency medical advice. If vomiting occurs, keep First Aid: Ingestion: victim's head lowered (forward) to keep vomit from entering the lungs. Call 911 for emergency medical transport if any symptoms noted. Remove and discard contact lenses if worn and flush eyes with large amounts of water for at least 20 Eyes: minutes. Seek immediate medical attention when done rinsing eyes. Remove contaminated clothing and wash exposed skin with large amounts of soap and water. Seek Skin: medical attention if any blistering, swelling or open sores develop. Inhalation: Move victim to fresh air. Contact emergency medical services (911) if any difficulty in breathing occurs or if victim loses consciousness. 4.2 Effects of Exposure: Severe or permanent eye damage. Eyes: Skin: Burns upon direct contact.

Severe burns of mouth, throat, stomach.

Severe irritation or burns in respiratory tract and mucous membranes. Possible lung damage.

Ingestion: Inhalation:



Page 2 of 6 BTI-059

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 2.0 SDS Revision Date: 3/14/2017

			4. FIRST	AID ME	EASU	RES –	cont'	d					
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 membranes, difficulty breathing.											
1.4	Acute Health Effects:	May be harmf	ful if inhaled. Mate harmful if swallowe	rial is extre	emely de	structive to	o the tiss	ue of the	mucous	membrai		upper re	spirator
4.5	Chronic Health Effects:	May damage t	the nervous systen	n, kidney a	nd/or live	er.			_				
4.6	Target Organs:	Eyes, skin, ne	rvous system, kidr	neys, liver,	respirato	ry system.							
4.7	Medical Conditions Aggravated by Exposure:		ermatitis, other ski						LTH				3
				ory system) or impaired kidney function effects of this substance.		FLAI	<b>MMABI</b>	LITY			0		
		may be more t	sucception to the	0110010 01 11	iio oabot	arioo.		PHY	SICAL	HAZARI	os		2
								PRO	TECTIV	E EQUI	PMEN	Γ	Н
								EYES	S	KIN	LUN	GS	
1.8	Notes to Physician:	be considered	contains <u>Selenious</u> I in asymptomatic ilure may occur. 24	or minimall	y sympt	omatic pat	ients as o	delayed to	xic effec	ts includi	ng pulm		
			5 EID	EEICH.	TING	MEAS	IDES						
5.1	Fire & Explosion Hazards:	Non floremobil		EFIGH						aliva maliva			
J. I	Tile & Explosion Hazards.	with air. May	le. May react with intensity fire; oxidia	metals to zer. Keen/	reiease Store av	nyarogen av from clo	gas, which othing/ co	on can for Imbustible	material	sive mixt	ures		
5.2	Extinguishing Methods:		guishing media apr										
		approved or e as for surrou degradation m and/or derivati fire is out. Us	As with any fire, firefighters should wear appropriate protective equipment including a MSHA/NIOSH approved or equivalent self-contained breathing apparatus (SCBA) and protective clothing. Fight fires as for surrounding materials. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon, phosphorous, selenium and/or nitrogen, hydrocarbons and/or derivatives. Fire should be fought from a safe distance. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway.										
			6. ACCIDE	NTAL F	RELE	ASE M	EASU	IRES					
6.1	Spills:	(PPE). Use s etc.) to prever Small Spills: V material such Large Spills: release. Isola with minimal r much free liqu	ng any spill or leak safety glasses or sont skin contact.  Wear appropriate pas vermiculite or sont skin contact.  Wear appropriate pas vermiculite or sont skin compatible are immediate hazarisk. Wear appropriation as possible are into a sewer or suito a sewer	afety goggi protective e- cand to soa e materials ard area an riate protect and collect in	quipment the quipment to the q	face shield t including product an ganics suc unauthorize ipment incl	gloves and place in the as oil) and persor luding res	nd protect nto a conta away fron anel out of spiratory p	ther prot ive eyew ainer for n spill. S area. S rotection	ective clove rear. Use later disp Stay upwi top spill of as condi	e a non- losal. Ind and or releas	e.g., apror combustil away fror e if it can arrant. Re	ble, inert m spill o be done
						CE INE	ODM	ATION					
7.1	Work & Hygiene Practices:	Avoid breathing the reach of context expose to hear	7. HANDLING & STORAGE INFORMATION  Avoid breathing mists or spray. Avoid eye and skin contact. Wear protective equipment when handling product. Keep out of the reach of children. Do not eat, drink or smoke when handling this product. Wash thoroughly after handling. Do not expose to heat and flame. Use only in ventilated areas. Keep out of the reach of children. Immediately clean-up and decontaminate any spills or residues.										
7.2	Storage & Handling:	Use and store Store in acid-	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Store in acid-resistant containers. Keep containers covered when not in use. Avoid temperatures above 40°C (120°F). Keep away from incompatible substances (see Section 10). Protect containers from physical damage.										
7.3	Special Precautions:		ners may retain haz									terials.	
	_	8. EXPO	SURE CON	<u>TROLS</u>	& PE	RSON	<u>AL PF</u>	ROTEC	TION				
3.1	Exposure Limits: ppm (mg/m³)			AC	GIH		NOHSC ES-	ES-		OSHA	1	OTHER	
	Ppin (mg/ill )	CHEMICAL NAME	` '	TLV	STEL	ES-TWA	STEL	PEAK	PEL	STEL	IDLH		
		SELENIOUS AC	D	(0.2)	NA	(0.2)	NF	NF	(0.2)	NA	NA of		
		NITRIC ACID	JOSPHATE	2	4	2 NF	NF	NF	2	NA NA	25		OLICT.
		PHOSPHORIC		(1)	(3)	NF NF	NF NF	NF NF	(0.1) NA	NA NA	NA 1000	FUME, D	JUST
8.2	Ventilation & Engineering Controls:	_	general exhaust ve					vent buildu	up of vap	ors or m		rated from	46 -



Environmental Stability:

Effects on Aquatic Life

Effects on Plants & Animals:

12.1

12.2

123

### SAFETY DATA SHEET

Page 3 of 6

**BTI-059** Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision Date: 3/14/2017 SDS Revision: 2.0 8. EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd Respiratory Protection: In 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 8.4 Eye Protection: Safety glasses with side shields must be used when handling or using this product. A protective face shield is also recommended. 8.5 Hand Protection: Wear protective, chemical-resistant gloves (e.g., neoprene) when using or handling this product. 8.6 Body Protection: A chemical resistant apron and/or protective clothing are recommended when handling or using this 9. PHYSICAL & CHEMICAL PROPERTIES Appearance: 9.1 Clear liquid 92 Odor Odorless 9.3 Odor Threshold: NA 9.4 < 1.09.5 Melting Point/Freezing Point: NA 9.6 Initial Boiling Point/Boiling > 100 °C (> 212 °F) 9.7 Flashpoint: NA Upper/Lower Flammability 9.8 NA 99 Vapor Pressure: NA Vapor Density: 9.10 < 1.0 (air = 1.0)Relative Density: 9.11 1.23 Solubility: 9.12 Complete (water) Partition Coefficient (log Pow): 9.13 NA 9.14 Autoignition Temperature NA Decomposition Temperature: 9.15 NA 9.16 Viscosity NA Other Information: 9.17 Evaporation Rate: < 1.0 (ethyl ether = 1.0) 10. STABILITY & REACTIVITY Stability: 10.1 Stable at normal temperatures Hazardous Decomposition 10.2 Reaction with organics and strong reducing agents can produce organoselenides and hydrogen selenide. Thermal decomposition may produce selenium, nitrogen, phosphoric and copper oxides 10.3 Hazardous Polymerization: Will not occur Conditions to Avoid: 10.4 Excessive heat, shock, friction 10.5 Incompatible Substances: Cyanides, water-reactive substances, strong reducing agents, chlorinated cleaners or sanitizers, combustible organic materials, most metals 11. TOXICOLOGICAL INFORMATION Inhalation: YES 11.1 Routes of Entry: Absorption: YES Ingestion: NO 11.2 Toxicity Data: Solution: LD<sub>50</sub> (oral, rat) = 1030 mg/kg; Phosphoric Acid: LD<sub>50</sub> (oral, rat) = 1530 mg/kg Acute Toxicity: See Section 4.4 11.3 11.4 Chronic Toxicity See Section 4.5 Selenious Acid is listed by IARC on Group 3 (not classifiable as to its carcinogenicity to humans) 11.5 Suspected Carcinogen: 11.6 Reproductive Toxicity: 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 contains nickel sulfate, which is reported to cause teratogenic effects in humans. Reproductive Toxicity: This product is not reported to cause reproductive effects in humans. Irritancy of Product 11.7 See Section 4.2 11.8 Biological Exposure Indices NF 11.9 Physician Recommendations: Treat symptomatically. 12. ECOLOGICAL INFORMATION

Very toxic to aquatic life with long lasting effects. Phosphoric Acid: EC<sub>50</sub> (Daphnia magna, 12h) = 4.6 mg/L

There are no specific data available for this product

There are no specific data available for this product



Page 4 of 6 BTI-059

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 2.0 SDS Revision Date: 3/14/2017

		12 DISPOSAL CONSIDERATIONS
		13. DISPOSAL CONSIDERATIONS
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.
13.2	Special Considerations:	U.S. EPA Hazardous Waste – Characteristic - Corrosive (D002), Characteristic - Toxic (D010)
	Į.	(
		14. TRANSPORTATION INFORMATION
The I	riptive information may be	per, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.
14.1		UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC ACID), 8, III, LTD QTY (IP VOL ≤ 5.0 L)
14.2		UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC ACID), 8, III, LTD QTY (IP VOL ≤ 0.5 L)
14.3	IMDG (OCN):	UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC ACID), 8, III, LTD QTY (IP VOL ≤ 5.0 L)
14.4		UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC ACID), 8, III, LTD QTY (IP VOL ≤ 5.0 L)
14.5		UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC 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 NITRIC), 8, III, CANTIDAD LIMITADA (IP VOL ≤ 5.0 L)
14.7		UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC ACID), 8, III, LTD QTY (IP VOL ≤ 5.0 L)
		15. REGULATORY INFORMATION
15.1	SARA Reporting Requirements:	This product contains Selenious Acid, Nitric Acid, Cupric Sulfate and Phosphoric Acid, substances subject to SARA Title III, section 313 reporting requirements.
15.2	SARA TPQ:	NA
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
15.4	CERCLA Reportable Quantity:	Selenious Acid: 10 lbs (4.54 kg); Nitric Acid: 1,000 lbs (454 kg); Cupric Sulfate: 10 lbs (4.54 kg); Phosphoric Acid: 5,000 lbs (2,270 kg)
15.5	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:	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).  Nitric Acid is found on the following state criteria lists: FL, MA, MN, NJ, PA, and WA.  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
15.8	Other Requirements:	Substances List (WI).
	Other Reduirements:	NA



Page 5 of 6

BTI-059

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

SDS Revision: 2.0

SDS Revision Date: 3/14/2017

	16. OTHER INFORMATION					
16.1	Other Information:	EYE DAMAGE. MAY CAUSE DAMAGE TO Causes severe burns to eyes and skin. Avoid exrinse immediately with plenty of water and seek	TOXIC IF SWALLOWED. MAY CAUSE SEVERE SKIN BURNS OR ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. cessive heat. Do not breathe dust/fumes. In case of contact with eyes, a medical advice. Wear suitable protective clothing. Keep away from the ignition sources. No smoking. KEEP LOCKED UP AND OUT OF			
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 Technologies' 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 Technologies 7900 Fuller Road Eden Prairie, MN 55344 USA Tel: +1 (952) 937-7900 Fax: +1 (952) 937-7979 http://www.birchwoodtechnologies.com	BIRCHWOOD® TECHNOLOGIES			
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			



Page 6 of 6

**BTI-059** 

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SDS Revision: 2.0

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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 No.	

#### **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

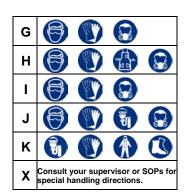
#### **HEALTH, FLAMMABILITY & REACTIVITY RATINGS:**

0	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	(ELL)	THE THE	
Ε			
F		THE SECOND	





#### 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	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 other sour 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	Concentration expressed in parts of material per million parts
TD <sub>Io</sub>	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD <sub>Io</sub> , LD <sub>Io</sub> , & LD <sub>o</sub> or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TC <sub>o</sub> , LC <sub>io</sub> , & LC <sub>o</sub>	
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	SL 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>®</b>		<b>②</b>	$\Theta$	(%)		
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:

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