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SAFETY DATA SHEET **BTI-055** Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards SDS Revision Date: 12/6/2022 SDS Revision: 2.1 1. PRODUCT & COMPANY IDENTIFICATION 1 1 Product Name 3N HYDROCHLORIC ACID SOLUTION 1.2 Chemical Name: Hydrochloric Acid Solution 1.3 Synonyms Tru Temp Test Solution; Presto Kleen Test Solution; A1003; A1003a; A1011 Trade Names: 1.4 3n Hydrochloric Acid Solution 1.5 Product Use NA Distributor's Name: 1.6 Birchwood Laboratories LLC Distributor's Address: 17 7900 Fuller Road, Eden Prairie, MN 55344 USA 18 Emergency Phone: ChemTrec +1 (800) 424-9300 / +1 (703) 527-3887 or Poison Control Center +1 (855) 281-1742 1.9 Business Phone / Fax: +1 (952) 937-7900 / +1 (952) 937-7979 2. HAZARDS IDENTIFICATION 2.1 Hazard Identification: Prepared in accordance with UN Globally Harmonized standards. Intended to comply with OSHA 29 CFR 1910.1200. Canadian WHMIS and Australian Work Health and Safety. DANGER! CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. MAY CAUSE RESPIRATORY IRRITATION. Classification: Skin Corr. 1B, STOT SE 3 Label Elements: Hazard Statements (H): H314 - Causes severe skin burns and eye damage. H335 - May cause respiratory irritation. <u>Precautionary Statements</u> (P): P260 – Do not breathe dust or mist. P261 – Avoid breathing dust/fume/gas/mist/vapor spray. P264 – Wash thoroughly after handling. P271 – Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/ protective clothing/eye protection/face protection. P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P302+P361+P354 - IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes. P363 - Wash contaminated clothing before reuse. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P316 - Get emergency medical help immediately. P321 – Specific treatment see section 4 (first aid) of this SDS or container label. P305+P354+P338 - IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up. P501 - Dispose of contents/ container to an approved waste disposal plant (TSDF). 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 ppm ppm ppm ES-ES-STEI PEI STEL IDLH CHEMICAL NAME(S) CAS No. RTECS No. EINECS No. TWA STE PEAK OTHER 7332-18-5 ZC0110000 231-791-2 60-100 NE NE NF NF NF NE NE NE WATER 7647-01-0 MW4025000 231-595-7 7-13 2 5 5 7.5 5 5 7 50 HYDROCHLORIC ACID Skin Corr. 1B, STOT SE 3; H314, H335 4. FIRST AID MEASURES DO NOT INDUCE VOMITING. Contact SafetyCall +1 (855) 281-1742 or the nearest Poison Control Center First Aid Ingestion: or local emergency telephone number for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration. Eyes: If product gets in the eyes, flush eyes thoroughly with copious amounts of water for at least 15 minutes, holding eyelid(s) open to ensure complete flushing. If the eyes or face become swollen during or following use, consult a physician or emergency room immediately. Remove contaminated clothing and wash affected areas with soap and water. If discomfort persists and/or Skin: the skin reaction worsens, contact a physician immediately. Do not wear contaminated clothing until after it has been properly cleaned. Inhalation: Remove victim to fresh air at once. Under extreme conditions, if breathing stops, perform artificial respiration. Seek immediate medical attention. Effects of Exposure: 4.2 Severe burns of mouth, throat and stomach. Possible symptoms include nausea, vomiting, and abdominal Ingestion: pain. May cause damage to kidneys, resulting in blood in urine.

Eyes:

Skin:

Inhalation:

Severe or permanent eye damage. Severe irritation and possible burns.

If sprayed, severe irritation of respiratory tract and mucous membranes; coughing, difficulty breathing.



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1 10	5aroa to 001171,7100,7111	ISI, WHSK, WHINIS, GHS & EU Sta	idaido		,	SDO Nev	/151011. 2.1	[30	O IVENISI	OII Date	. 12/0/2022
		4. FIRST	AID M	EASU	RES -	cont'	'd				
4.3	Symptoms of Overexposure:	Ingestion: Nausea, vomiting, some Eyes: Redness, burning, it Skin: Redness, burning, it Inhalation: Coughing, wheezing	evere aboritation, a	dominal p and swell sh, bliste	oain. ing around ring of skir	l eyes		anes, diffi	iculty bre	eathing.	
4.4	Acute Health Effects:	May be harmful if inhaled. Materia tract. May be harmful if swallowed	l is extre	mely des	tructive to	the tissu	e of the m	ucous me	embrane		pper respirator
4.5	Chronic Health Effects:	May damage the nervous system,									
4.6	Target Organs:	Eyes, skin, lungs (corrosive).									
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing skin, eye or respiratory disorders.				HEALTI				3	
							FLAMM				0
							PHYSIC				1
							PROTE EYES	SKIN		UNGS	B
		5. FIRE	FIGHT	ING I	//FASU	IRFS		•	•		•
5.1	Fire & Explosion Hazards:	Non-flammable. May react with me with air.					can form	explosive	mixtures	S	
5.2	Extinguishing Methods:	Use fire-extinguishing media appr	opriate fo	or surrour	nding mate	rials.					
5.3	Firefighting Procedures:	As with any fire, firefighters should approved or equivalent self-conta fires as for surrounding materials degradation may produce oxides should be fought from a safe distart spray to cool fire-exposed surface fire control or dilution from entering	ined bre Hazard of carbor nce. Kee s and to	athing aplous decon, and/or protect protect protect at the secondary and the secondary architect protect prote	oparatus (Somposition nitrogen, Introgen, Inters cool undersonal.	SCBA) a product nydrocarl ntil well a Fight fire	nd protect s may be bons and/o after the fire upwind. P	ive clothi released. or derivat e is out. U revent ru	ng. Figh Therma ives. Fire Jse wate noff fron	t il e r	3 1
		6. ACCIDEN	TAL R	RELEA	SE ME	EASU	RES				
		(PPE). Use safety glasses or safe etc.) to prevent skin contact.  Small Spills: Wear appropriate proinert material such as vermiculite of Large Spills: Keep incompatible mor release. Isolate immediate haz done with minimal risk. Wear appropriate Recover as much free liquid as publishers.	otective en sand to haterials (card area opropriate ossible a	equipmer o soak up (e.g., acid and kee e protecti ind collect	nt including the produ ds, powder o unauthor ve equipm et in acid-re	g gloves let and pl red metal rized pers nent inclu	and proted ace into a s) away fro sonnel out uding resp	ctive eyer container om spill. of of area. iratory pr	wear. U for later Stay upw Stop sp otection	lse a no disposa ind and ill or rele as cond	n-combustible al. away from spi ase if it can be ditions warrant
		7. HANDLING	& ST	OPAG	E INF	) DM/	TION				
7.1	Work & Hygiene Practices:	Avoid breathing mists or spray. Avoif the reach of children. Do not expose to heat and flame. Use of decontaminate any spills or residu	void eye a at, drink o nly in ve es.	and skin or smoke ntilated a	contact. W when han areas. Kee	ear protendling this pout of	ective equ s product. the reach	Wash th of childr	oroughly en. Imr	/ after hand	andling. Do no y clean-up and
7.2	Storage & Handling:	Use and store in a cool, dry, well-ve Store in acid-resistant containers. Keep away from incompatible sub-	Keep co	ontainers	covered w	hen not	in use. Av	oid temp	eratures	above	
7.3	Special Precautions:	Empty containers may retain haza								<u> </u>	
		8. EXPOSURE CONT	ROLS	S & PE	RSON	IAL P	ROTE	CTION			
8.1	Exposure Limits:		AC	GIH		NOHSC	FC		OSHA		OTHER
	ppm (mg/m³)	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	
		SODIUM HYDROXIDE ZINC OXIDE	(2) (5) *	NA (15)	(2) (5) *	NF NF	NF NF	(2) (5) *	NA NA	(10) (500)	(2) NIOSH * RESP DUST
8.2	Ventilation & Engineering Controls:	Use local or general exhaust vent handling of this product. Ensure a station).	ilation to	effective	ly remove	and pre	vent build	up of vap	ors or m	nist gene	erated from the
8.3	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 Australia.									



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8. EXPOSURE CONTROLS & PERSONAL PROTECTION  8.4 Eye Protection: Safety glasses with side shields must be used when handling or using this process shield is also recommended.  8.5 Hand Protection: Wear protective, chemical-resistant gloves (e.g., neoprene) when using or handling or using this process shield is also recommended.  8.6 Body Protection: A chemical resistant apron and/or protective clothing are recommended when product.	duct. A protective face	
shield is also recommended.  8.5 Hand Protection: Wear protective, chemical-resistant gloves (e.g., neoprene) when using or handling the solution of the solut	·	
8.6 Body Protection:  A chemical resistant apron and/or protective clothing are recommended when	ng this product.	(d) W
	handling or using this	
9. PHYSICAL & CHEMICAL PROPERTIES		
9.1 Appearance: Clear liquid		
9.2 Odor: Pungent odor		
9.3 Odor Threshold: NA		
9.4 pH: 1.0		
9.5 Melting Point/Freezing Point: NA		
9.6 Initial Boiling Point/Boiling Point/Boil		
9.7 Flashpoint: NA		
9.8 Upper/Lower Flammobility		
Limits: NA		
9.9 Vapor Pressure: NA		
9.10 Vapor Density: NA		
9.11 Relative Density: 1.02		
9.12 Solubility: Complete (water)		
9.13 Partition Coefficient (log Pow): NA		
9.14 Autoignition Temperature: NA		
9.15 Decomposition Temperature: NA		
9.16 Viscosity: NA		
9.17 Other Information: Evaporation Rate: > 1.0 (ethyl ether = 1.0)		
10. STABILITY & REACTIVITY		
10.1 Stability: Stable		
10.2 Hazardous Decomposition Products: Contact with metals such as aluminum and zinc may produce hydrogen gas. hydrogen chloride gas.	Thermal decomposition	on may produce
10.3 Hazardous Polymerization: Will not occur.		
10.4 Conditions to Avoid: Excessive heat, shock, friction, incompatible substances.		
10.5 Incompatible Substances: Metals, strong bases.		
i Metals, strong bases.		
11. TOXICOLOGICAL INFORMATION		
	Ingestion: A	
, 129	Ingestion:	NO
7 Tryardoriidha Kala. ED 30 (Graf, Tabbit). 000 mg/kg		
, 000 00000114.4		
<ul> <li>11.4 Chronic Toxicity: See Section 4.5</li> <li>11.5 Suspected Carcinogen: This product contains Hydrochloric acid which is not carcinogenic to humans but is</li> </ul>	"	
The broad contains in the contains and t	listed as a Group 3 card	inogen by IARC
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: Embryo or Fetus: Stunted fetus, Inhalation, rat TCL0=450 mg/m3/1H Specific Development of the student of the s	əlopmental Abnormalitie	∍s: homeostasis,
Reproductive Effects: No information available.		
Reproductive Toxicity: This product is not reported to cause reproductive effects in humans.		
11.7 Irritancy of Product: See Section 4.2		
11.8 Biological Exposure Indices: NE		
11.9 Physician Recommendations: Treat symptomatically.		
12. ECOLOGICAL INFORMATION		
	m soil surfaces. Upon t	
12.1 Environmental Stability: Rapidly hydrolyzes when exposed to water. Will exhibit extensive evaporation fro		i and the acid wii
		and the acid wil
12.1 Environmental Stability: Rapidly hydrolyzes when exposed to water. Will exhibit extensive evaporation fro the soil, hydrochloric acid will dissolve some of the soil materials (especially those		
12.1 Environmental Stability: Rapidly hydrolyzes when exposed to water. Will exhibit extensive evaporation fro the soil, hydrochloric acid will dissolve some of the soil materials (especially those neutralize to some degree.		



15.8

Other Requirements:

NA

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		13. DISPOSAL CONSIDERATIONS	
13.1	Waste Disposal:	Review current local, state and federal laws, codes, statutes and regulations to determine current status and approp 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.	
3.2	Special Considerations:	U.S. EPA Hazardous Waste: D002 (Characteristic, Corrosivity)	
		44 TRANSPORTATION INFORMATION	
T1	basis describbios (ID Norse	14. TRANSPORTATION INFORMATION	
		ber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Addition e required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.	
14.1	49 CFR (GND):	UN1789, HYDROCHLORIC ACID SOLUTION, 8, II, LTD QTY (IP VOL ≤ 1.0 L) UN1789, HYDROCHLORIC ACID SOLUTION, 8, II (IP VOL > 1.0 L)	
14.2	IATA (AIR):	UN1789, HYDROCHLORIC ACID SOLUTION, 8, II, LTD QTY (IP VOL ≤ 0.1 L), PI Y841	
14.3	IMDG (OCN):	UN1789, HYDROCHLORIC ACID SOLUTION, 8, II, LTD QTY (IP VOL ≤ 1.0 L)	
14.4	TDGR (Canadian GND):	UN1789, HYDROCHLORIC ACID SOLUTION, 8, II, LTD QTY (IP VOL ≤ 1.0 L)	
14.5	ADR/RID (EU):	UN1789, HYDROCHLORIC ACID SOLUTION, 8, II, LTD QTY (IP VOL ≤ 1.0 L)	
4.6	SCT (MEXICO):	UN1789, ÁCIDO CLORHÍDRICO SOLUCIÓN, 8, II, CANTIDAD LIMITADA (VOL IP ≤ 0.5 L	
14.7	ADGR (AUS):	UN1789, HYDROCHLORIC ACID SOLUTION, 8, II, LTD QTY (IP VOL ≤ 1.0 L)	
		15. REGULATORY INFORMATION	
15.1	SARA Reporting Requirements:	This product contains <u>Hydrochloric Acid</u> a substance subject to SARA Title III, sections 302 and 313 report requirements.	
15.2	SARA TPQ:	Hydrochloric acid: 2,270 kg (5,000 lbs).	
5.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.	
5.4	CERCLA Reportable Quantity:	Hydrochloric acid: 2,270 kg (5,000 lbs).	
5.5	Other Federal Requirements:	NA NA	
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the HPR and the MSDS contains all of the information required by the HPR. 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 D2B (Other Toxic Effects).	
15.7	State Regulatory Information:	Hydrochloric Acid is found on the following state criteria lists: Florida Toxic Substances List (FL), Massachus Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (Pennsylvania Right-to-Know List (PA), and 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 following scriteria 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 Hazard Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylv Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI), product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm	

more information go to www.P65Warnings.ca.gov.



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		16. OTHER IN	FORMATION		
16.1	Other Information:	DANGER! CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. MAY CAUSE RESPIRATORY IRRITATION. Do not breathe dusts or mists. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands and exposed skin areas thoroughly with soap and warm water after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment – see Section 4 of this Safety Data Sheet. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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 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		



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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 Number	

#### **EXPOSURE LIMITS IN AIR:**

ACGIH	American Conference on Governmental Industrial Hygienists	
IDLH	Immediately Dangerous to Life and Health	
NOHSC	NOHSC National Occupational Health and Safety Commission (Australia)	
OSHA	U.S. Occupational Safety and Health Administration	
PEL	Permissible Exposure Limit	
STEL Short Term Exposure Limit		
TLV	Threshold Limit Value	
TWA	Time Weighted Average	

#### FIRST AID MEASURES:

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

#### HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

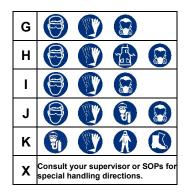
#### **HEALTH, FLAMMABILITY & REACTIVITY RATINGS:**

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



### PERSONAL PROTECTION RATINGS:

Α			
В			
С			
D			
Е			
F		TH.	





#### 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	Sens Sensitization	
STOT RE	Specific Target Organ Toxicity – Repeat Exposure	
STOT SE	Specific Target Organ Toxicity – Single Exposure	
5101 SE	Specific Target Organ Toxicity – Single Exposure	

#### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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 exp 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> ≯
₩	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 Concentration expressed in parts of material per million parts				
ppm					
TDio	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, 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	HMIS 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:

0	<b>(A)</b>	<b>(2)</b>	<b>(4)</b>	$\odot$	<b>®</b>		Ř
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