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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58/EC Standards MSDS Revision: 2.0 MSDS Revision Date: 6/03/2019

	PRODUCT IDEN	<b>TIFICATION</b>				CHEMICAL	RESPC	NSE C	ARD:	91
1.1	Product Name:	HIGH POWE	R LITHIUM ION	BATTER'	Y	RESPONSE	lacktriangle	$\sqrt{n}$		
1.2	Chemical Name:	Lithium phosphate				TEAM PPE:				
1.3	Synonyms:	1	, Lithium Ion Battery	, phosphate	-based					
1.4	Trade Names:	· · · · · · · · · · · · · · · · · · ·	ion cell, phosphate			WHMIS:				
1.5	Product Use:	Automotive Batter				HEALTH:				0
1.6	Manufacturer's Name:									
.7	Manufacturer's Address:	Braille Battery, Inc		FI 24042 II						0
.8	Business Phone:		, Suite 115, Sarasota	, FL 34243 U	SA	REACTIVITY:				0
		+1 (941) 312-5047				PERSONAL F	ROTEC	IION:		В
1.9	Emergency Phone:	CHEMTREC +	<u>+1 (800) 424-9</u>	300/+1	(703) 527·	3887				
			2. IDENTIFIC	CATION	OF RISKS					
2.1	Hazard Identification:									
	This product is NOT according to the clo									
	cell has been ruptur	ed, the electrolyte so					ause bu			
2.2	Routes of Entry:		Inhalation:	NO	Absor	ption: NO		Ingest	ion: Y	ES
.3	Effects of Exposure:  EYES: Contact betw	een the cell and the	e eve will not cause	any harm	Eve contact v	vith contents of	an open	cell can	cause	SEVE
	irritation or burns to t		cyc will not cause	dily maini.	Lyc comac: v	viiii comemis or	un open	cen cun	· cuosc	JC 7 C
	SKIN: Contact between the cell and skin will not cause any harm. Skin contact with contents of an open cell can cause so irritation or burns to the skin.						seve			
		ESTION: Swallowing of materials from a sealed cell is not an expected route of exposure. Swallowing the contents of an open a cause serious chemical burns of mouth, esophagus, and gastrointestinal tract.						en c		
	INHALATION: Inhalo may cause respirato		m a sealed cell is r	not an expe	cted route of	exposure. Vapo	ors or mi	sts from (	a rupture	ed c
.4	Symptoms of Exposure:									
	EYES: Stinging or but	•	ering, and reaness it	exposea to						
		SKIN: Stinging or burning, redness, and dermatitis (rash) if exposed to an open cell INGESTION: Severe irritation of the mouth, throat, esophagus, and stomach. Gastrointestinal discomfort, nausea, vomiting, crampi								
	and diarrhea if expo	irritation of the mout	• •	-	open cell	estinal discomfo	rt nause	a vomit	ina cra	mnin
			h, throat, esophagus	-	open cell	estinal discomfo	ort, nause	ea, vomit	ing, cra	mpin
	<u>INHALATION</u> : Upper	sed to an open cell.	h, throat, esophagus	s, and stomo	open cell ach. Gastroint				ing, cra	mpin
5	Acute Health Effects:	sed to an open cell. respiratory irritation,	h, throat, esophagus headache, irritabilit	s, and stomo	open cell ach. Gastroint bility to sleep i	f exposed to an	open ce	II		
5	Acute Health Effects:  EYES: Severe irritation	sed to an open cell. respiratory irritation, n, corneal damage,	h, throat, esophagus headache, irritabilit and possibly blindn	s, and stome ty, or an inal	open cell ach. Gastroint bility to sleep i	exposed to an	open ce	II. of an op	oen cell.	
.5	Acute Health Effects:  EYES: Severe irritation  SKIN: Severe irritation	sed to an open cell. respiratory irritation, n, corneal damage, n, burns, ulcerations	h, throat, esophagus headache, irritabilit and possibly blindn	s, and stome ty, or an inal	open cell ach. Gastroint bility to sleep i	exposed to an	open ce	II. of an op	oen cell.	
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5	Acute Health Effects:  EYES: Severe irritation  SKIN: Severe irritation  contents of an open	sed to an open cell. respiratory irritation, n, corneal damage, on, burns, ulcerations cell.	h, throat, esophagus headache, irritabilit and possibly blindn s, and contact derm	ty, or an inal ness will resu	open cell ach. Gastroint bility to sleep i It from direct o sult from direc	exposed to an contact with the t contact will re	open ce contents sult from	of an op	oen cell. ontact w	vith t
	Acute Health Effects:  EYES: Severe irritation SKIN: Severe irritation contents of an open INGESTION: Severe open cell INHALATION: Severe	sed to an open cell. respiratory irritation, n, corneal damage, n, burns, ulcerations cell. irritation of the mou	h, throat, esophagus headache, irritabilit and possibly blindn s, and contact derm oth, throat, esophag	ty, or an inal ness will resu natitis can re jus, and stor	open cell ach. Gastroint billity to sleep in the contract of t	exposed to an contact with the t contact will re sult from direct o	open ce contents sult from	of an op direct co	oen cell. ontact w	rith th
	Acute Health Effects:  EYES: Severe irritation SKIN: Severe irritation contents of an open INGESTION: Severe open cell INHALATION: Severe Chronic Health Effects:	sed to an open cell. respiratory irritation, n, corneal damage, n, burns, ulcerations cell. irritation of the mou	h, throat, esophagus headache, irritabilit and possibly blindn s, and contact derm oth, throat, esophag (from vapors or mis	ty, or an inal ness will resu natitis can re gus, and stor	open cell ach. Gastroint billity to sleep i It from direct c sult from direct mach may res	exposed to an contact with the t contact will result from direct contact with the	open ce contents sult from	of an op direct co	oen cell. ontact w	rith the
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6	Acute Health Effects:  EYES: Severe irritation SKIN: Severe irritation contents of an open INGESTION: Severe open cell INHALATION: Severe Chronic Health Effects: EYES: Possible conne SKIN: No chronic he INGESTION: No chronic he INGESTION: Respir an open cell.	sed to an open cell. respiratory irritation, n, corneal damage, n, burns, ulcerations cell. irritation of the mou respiratory irritation eal scarring may resu alth effects are repo nic health effects re	h, throat, esophagus headache, irritabilit and possibly blindn i, and contact derm ith, throat, esophag (from vapors or mis off from direct contact the day the manufact ported by the manufact	ty, or an inal ness will resu natitis can re jus, and stor sts) may resu act with the c cturer.	open cell ach. Gastroint bility to sleep it the sulf from direct contact may result from direct contents of an element of an ele	exposed to an contact with the contact will result from direct contact with the contact with the open cell.	open ce contents sult from contact v	of an op direct co with the	pen cell.	vith th
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NA = Not Available; ND = Not Determined; NE = Not Established; NF = Not Found; C = Ceiling Limit; See Section 16 for Additional Definitions of Terms Used NOTE: all WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-2004 format.



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3. COMPOSITION & INGREDIENT INFORMATION													
							EXPO:	SURE LI	MITS IN	AIR (ı	mg/m³	•)	
					AC	GIH	I	NOHSO			OSHA		
					pp	om		ppm			ppm		OTHER
CUENICAL MANAGON	CACNE	DTECS No.	FINIT CC NI	07	T1)/	CTEL	ES-	ES-	ES-	T1.) /	CTEL		
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK	TLV	STEL	IDLH	
<b>ELECTROLYTE SOLVENTS:</b>				≤ 90.0									
ETHYLENE CARBONATE	96-49-1	FF9550000	202-510-0		NA	NA	NF	NF	NF	NA	NA	NA	
PROPYLENE CARBONATE	108-32-7	FF9650000	203-572-1		NA	NA	NF	NF	NF	NA	NA	NA	
DIETHYL CARBONATE	105-58-8	YE1050000	203-311-1		NA	NA	NF	NF	NF	NA	NA	NA	
DIMETHYL CARBONATE	616-38-6	FG0450000	210-478-4		NA	NA	NF	NF	NF	NA	NA	NA	
ETHYL METHYL CARBONATE	623-53-0	NA	NA		NA	NA	NF	NF	NF	NA	NA	NA	
ELECTROLYTE SALT:				≤ 20.0	•				•	•			
LITHIUM HEXAFLUORO- PHOSPHATE	21324-40-3	NA	244-334-7		NA	NA	NF	NF	NF	NA	NA	NA	

### 4. FIRST AID

1 1 First Δic

EYES: Contact with the contents of an opened cell can cause burns. If eye contact with contents of an open cell occurs, immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes while holding the eyelids open. Neutral saline solution may be used as soon as it is available. If necessary, continue flushing during transport to emergency care facility. Take care not to rinse contaminated water into the unaffected eye or onto face. Quickly transport victim to an emergency care facility. Seek immediate medical attention

SKIN: Contact with the contents of an opened cell can cause burns. If skin contact with contents of an open cell occurs, as quickly as possible remove contaminated clothing, shoes and leather goods. Immediately flush with lukewarm, gently flowing water for at least 30 minutes. If irritation or pain persists, seek medical attention. Completely decontaminate clothing, shoes and leather goods before reuse or discard.

INGESTION: Contact with the contents of an opened cell can cause burns. If ingestion of contents of an open cell occurs, NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Have victim rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Have victim rinse mouth with water again. Quickly transport victim to an emergency care facility. Seek immediate medical attention.

INHALATION: If contents of an opened cell are inhaled, remove source of contamination or move victim to fresh air. Obtain medical advice.

4.2 Medical Conditions Aggravated by Exposure:

Pre-existing skin and respiratory disorders.

				ARDS

5.1 Flashpoint & Method:

NA

5.2 Autoignition Temperature:

NA

5.3 Flammability Limits: Lower Explosive Limit (LEL): NA

Upper Explosive Limit (UEL): N

NA

5.4 Fire & Explosion Hazards:

Lithium ion batteries contain flammable liquid electrolyte that may vent, ignite and produce sparks when subjected to high temperatures (> 150 °C (302 °F), when damaged or abused (e.g., mechanical damage or electrical overcharge). Burning cells can ignite other batteries in close proximity. Electrostatic discharges imposed directly on the spilled electrolyte may start combustion. Handle as a flammable liquid. Batteries may burst and release hazardous decomposition products when exposed to a fire situation.

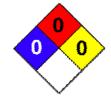
5.5 Extinguishing Methods:

<u>Small Fires</u> - Dry chemical, CO2, water spray or regular foam. For incipient fires, carbon dioxide extinguishers are more effective than water.

<u>Large Fires</u> - Water spray, fog or regular foam. Move containers from fire area if you can do it without risk.

5.6 Firefighting Procedures:

Use appropriate media for surrounding fire. Do not use carbon dioxide directly on cells. Keep containers cool until well after the fire is out. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Avoid breathing vapors. Firefighters should wear full-face, self-contained breathing apparatus (MSHA/NIOSH approved or the equivalent) and impervious clothing. HAZCHEM CODE 2[R].





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## 6. SPILLS & LEAKS

6.1 Sp

Absorb the spilled material with inert absorbent material such as dry sand, earth or a commercial absorbing agent. Collect all absorbent material and dispose. Wash the affected area with plenty of water and detergent. Properly dispose all contaminated cleaning water.

## 7. STORAGE & HANDLING

7.1 Work & Hygiene Practices:

Avoid direct contact with the contents of this battery. Store at room temperature. Avoid mechanical or electrical abuse. DO NOT short or install incorrectly. Batteries may explode, pyrolize or vent if disassembled, crushed or exposed to high temperatures. Install batteries in accordance with equipment instructions. Replace all batteries in equipment at the same time. Do not carry batteries loose in pocket or bag.

7.2 Storage & Handling:

Keep containers tightly closed when not in use. If battery case is broken, avoid contact with internal components. Do not handle near heat, sparks, or open flames. Protect containers from physical damage to avoid leaks and spills. Place cardboard between layers of stacked batteries to avoid damage and short circuits. Do not allow conductive material to touch the battery terminals. A dangerous short-circuit may occur and cause battery failure and fire. Do not store in unmarked containers or storage devices. Protect units from damage. Do not overcharge battery. Do not short terminals with metal tools.

7.3 Special Precautions:

Do not allow metal objects to rest against or near terminal posts. Readily available emergency fire, first aid, and spill response equipment and/or measures are highly recommended.

## 8. EXPOSURE CONTROL & PERSONAL PROTECTION

8.1 Ventilation & Engineering Controls:

Not normally required since the batteries are sealed units. Charge in areas with adequate ventilation. General mechanical ventilation should be sufficient.

8.2 Respiratory Protection:

Not required for normal conditions of use. However, a respiratory protection program that meets OSHA's 29CFR1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirators use (e.g., if batteries leaking).

8.3 Eye Protection:

None under normal use conditions. However, wear safety glasses with side shields when handling leaking batteries. If splashing is anticipated, splash goggles and/or a face-shield are strongly recommended.

8.4 Hand Protection:

None under normal use conditions. Use butyl gloves if handling leaking batteries, and wash hands thoroughly with soap and warm water after handling.

8.5 Body Protection:

None required under normal-use conditions for gel/absorbed electrolyte-type batteries.

## 9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	NA NA
9.2	Boiling Point:	NA NA
9.3	Melting Point:	NA NA
9.4	Evaporation Rate:	NA NA
9.5	Vapor Pressure @ 20 °C:	NA NA
9.6	Molecular Weight:	NA NA
9.7	Appearance & Color:	Battery pack with cells. Contents dark in color.
9.8	Odor Threshold:	Odorless.
9.9	Solubility:	Insoluble in water.
9.10	pH:	NA NA
9.11	Viscosity:	NA NA
9.12	Coefficient Oil/Water Distribution:	NA NA
9.13	Additional Information:	NA NA



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**BBI-003** Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58/EC Standards MSDS Revision: 2.0 6/03/2019 MSDS Revision Date: 10. STABILITY & REACTIVITY 10.1 Stability: Stable, when used as intended 10.2 This material may release toxic fumes if burned or exposed to fire. Breaching of the cell enclosure may lead to generation of hazardous fumes which may include extremely hazardous HF (hydrofluoric acid). 10.3 Will not occur. 10.4 Conditions to Avoid: Avoid exposing the cell to fire or temperatures above 80°C. Do not disassemble, crush, short or install with incorrect polarity. Avoid mechanical or electrical abuse. 10.5 Do not immerse in seawater or other high conductivity liquids. 11. TOXICOLOGICAL INFORMATION 11.1 Toxicity Data: Acute oral, dermal and inhalation toxicity data are not available for this article. 11.2 Acute Toxicity: See section 2.5 Chronic Toxicity: 11.3 None reported by the manufacturer. Suspected Carcinogen: Normal safe handling of this product will not result in exposure to substances that are considered human carcinogens by IARC (International Agency for Research on Cancer), ACGIH (American Conference of Governmental Industrial Hygienists, OSHA or NTP (National Toxicology Program). 11.5 Reproductive Toxicity: Mutagenicity: This product is not expected to cause mutagenic effects in humans. Embryotoxicity: This product is not expected to cause embryotoxic effects in humans. Teratogenicity: This product is not expected to cause teratogenic effects in humans. Reproductive Toxicity: This product is not expected to cause reproductive harm in humans. 11.6 Irritancy of Product: Risk of irritation occurs only if the cell is mechanically, thermally or electrically abused to the point of compromising the enclosure. If this occurs, irritation to the skin, eyes and respiratory tract may occur. 11.7 Biological Exposure Indices: NA 11.8 Medical Recommendations: Treat symptomatically. 12. ECOLOGICAL INFORMATION 12.1 Environmental Stability: Not readily biodegradeable. 12.2 Effect on Plants & Animals Solid cells released into the natural environment will slowly degrade and may release harmful or toxic substances. Cells are not intended to be released into water or on land but should be disposed or recycled according to local regulations. 12.3 Effect on Aquatic Life: NA 13. DISPOSAL CONSIDERATIONS 13.1 Waste Disposal: Dispose of in accordance with local, state, provincial and federal laws and regulations. Waste must be disposed of in accordance

with relevant EC Directives and national, regional and local environmental control regulations. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

13.2 Special Considerations:

> Cell recycling is encouraged. Do NOT dump into any sewers, on the ground or into any body of water. Store material for disposal as indicated in Section 7 Handling and Storage.



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### 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.

14.1	49 CFR (GND):	
	UN3480, LITHIUM ION BATTERIES, 9,	
14.2	IATA (AIR):	<b>A</b>
	UN3480, LITHIUM ION BATTERIES, 9,	
14.3	IMDG (OCN):	
	UN3480, LITHIUM ION BATTERIES, 9,	
14.4	TDGR (Canadian GND):	
	UN3480, LITHIUM ION BATTERIES, 9,	
14.5	ADR/RID (EU):	9 / 100 100
	UN3480, LITHIUM ION BATTERIES, 9,	My Jan
14.6	SCT (MEXICO):	
	UN3090, BATERIAS DE LITIO, 9,	
14.7	ADGR (AUS):	
	UN3480, LITHIUM ION BATTERIES, 9,	
		<u>.</u>
	15. REGULATORY INFORMA	ATION
	19: REGULATURI INTORMI	~11 <b>011</b>

15.1	SARA Reporting Requirements:			
	None			
15.2	SARA Threshold Planning Quantity:			
	None			
15.3	TSCA Inventory Status:			
	All chemical substances of this product are listed on the TSCA inventory or are otherwise exempt from inventory status.			
15.4	U.S. EPA CERCLA Reportable Quantity (RQ):			
	None			
15.5	Other U.S. Federal Requirements:			
	None			
15.6	Other Canadian Regulations			
	Lithium hexafluorophosphate is listed on the NDSL. All other ingredients in the product are listed, as required, on Canada's Domestic Substances List (DSL). This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all			

15.7 State & Other Regulatory Information:

### California Proposition 65

This product does not contain chemicals known to the State of California to cause cancer or reproductive toxicity. ROHS

This product may be subject to Restriction of Hazardous Substances (RoHS) regulations in Europe and China, or may be regulated under additional regulations and laws not identified above, such as for uses other than described or as-designed/as intended by the manufacturer, or for distribution into specific domestic destinations.

15.8 67/548/EEC (European Union) and Australia NOHSC:2011 (2003) Requirements:

the information required by the Controlled Products Regulations.

This product, as manufactured article, is not classified as hazardous according to Regulation (EC) No. 1272/2008. However, some of the primary components of this product are listed in Annex I of EU Directive 67/548/EEC. The following applies to the contents of the manufactured article (e.g., damaged or opened cell) and only apply if there is an exposure to the electrolyte or electrolyte solvents within the manufactured article.

<u>Ethylene Carbonate</u>: Irritant (Xi). Risk Phrases (R): 41- Risk of serious damage to eyes. Safety Phrases (S): 26-39 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye/face protection.

Propylene Carbonate: Irritant (Xi). Risk Phrases (R): 36 - Irritating to eyes.

<u>Lithium Hexafluorophosphate</u>: Toxic (T). Risk Phrases (R): 22-24-34 - Harmful if swallowed. Toxic in contact with skin. Causes burns. Safety Phrases (S): 26-28A-36/37/39 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).



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## 16. OTHER INFORMATION

16.1 Other Information:

NA

16.2 Terms & Definitions:

Please see last page of this MSDS.

16.3

This Material Safety Data Sheet complies with Health Canada's Workplace Hazardous Materials Information System (WHMIS) & U.S. OSHA's Hazard Communication Standard, 29 CFR §1910.1200. To the best of ShipMate's or Braille Battery's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product. Contact the manufacturer for additional information.

16.4

Braille Battery Inc. 6935 15th St E., Suite 115 Sarasota, FL 34243 USA Tel: +1 (941) 312-5047 Fax: +1 (941) 870-3381



16.5 Prepared by:

ShipMate, Inc. **PO Box 787** Sisters, OR 97759-0787 USA Phone: +1 (310) 370-3600 Fax: +1 (310) 370-5700 e-mail: shipmate@shipmate.com





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## **DEFINITIONS OF TERMS**

A large number of abbreviations and acronyms appear on a MSDS. Some of these that are commonly used include the following:

#### **GENERAL INFORMATION:**

CAS No.	Chemical Abstract Service Number

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

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

#### 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.					

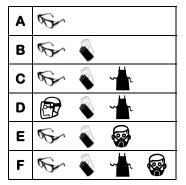
#### HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

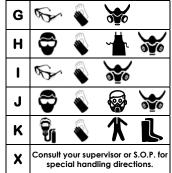
### **HEALTH, FLAMMABILITY & REACTIVITY RATINGS:**

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



### PERSONAL PROTECTION RATINGS:







## OTHER STANDARD ABBREVIATIONS:

ML	Maximum Limit
NA	Not Available
ND	Not Determined
NE	Not Established
NR	No Results
SCBA	Self-Contained Breathing Apparatus

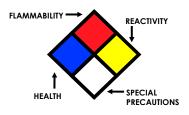
## NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

#### FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

#### **HAZARD RATINGS:**

Minimal Hazard					
Slight Hazard					
Moderate Hazard					
Severe Hazard					
4 Extreme Hazard					
Acidic					
Alkaline					
Corrosive					
<b>-₩</b> Use No Water					
Oxidizer					



#### TOXICOLOGICAL INFORMATION:

BCF	Bioconcentration Factor						
IARC	International Agency for Research on Cancer						
LC <sub>50</sub>	Lethal concentration (gases) which kills 50% of the exposed animal						
LD <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s						
log Kow or log Koc	Coefficient of Oil/Water Distribution						
NTP	National Toxicology Program						
ppm	Concentration expressed in parts of material per million parts						
RTECS	Registry of Toxic Effects of Chemical Substances						
TCLo	Lowest concentration to cause a symptom						
TD <sub>Io</sub>	Lowest dose 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						
TC, TCo, LCio, & LCo	toxic effects						
TLm	Median threshold limit						

## **REGULATORY INFORMATION:**

DOT	U.S. Department of Transportation					
DSL	Canadian Domestic Substance List					
EPA	U.S. Environmental Protection Agency					
EU	European Union (European Union Directive 67/548/EEC)					
NDSL	Canadian Non-Domestic Substance List					
NOHSC	National Occupational Health & Safety Code (Australia)					
PSL	Canadian Priority Substances List					
TC	Transport Canada					
TSCA	U.S. Toxic Substance Control Act					
WHMIS	Canadian Workplace Hazardous Material Information System					

### EC INFORMATION:

		M	*			X	X
С	E	F	N	0	T+	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful