## SAFETY DATA SHEET

Date of issue 23-07-2019 Canada/English

# 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier	
Product Name	Li-ion rechargeable battery CMICR18650F8 2600mAh
Other means of identification Recommended use of the chemica	l and restrictions on use
Recommended Use	Rechargeable Li-ion battery
Uses advised against	No information available
Details of the supplier of the safety	data sheet
Initial supplier identifier	DongGuan Cham Battery Technology Co.,Ltd.
Address	No.9 Third West Industry Road, Songshan Lake High-Tech Industrial Development Zone, DongGuan
Telephone	+86 0769 2383 6666
E-mail	guanxiaomei@cham.com.cn
Emergency telephone number	
Company Emergency Phone Number	+86 0769 2383 6666

## 2. HAZARDS IDENTIFICATION

#### **Classification**

This is a battery. In case of rupture:

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 1

#### GHS Label elements, including precautionary statements

Danger

#### Hazard statements

This is a battery. In case of rupture:.

Causes skin irritation Causes serious eye irritation Suspected of causing cancer Causes damage to organs through prolonged or repeated exposure



#### **Precautionary Statements - Prevention**

Obtain special instructions before use Do not handle until all safety precautions have been read and understood Wear protective gloves/protective clothing/eye protection/face protection Wash face, hands and any exposed skin thoroughly after handling Do not breathe dust/fume/gas/mist/vapors/spray Do not eat, drink or smoke when using this product

#### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention Specific treatment (see supplemental first aid instructions on this label)

#### Eves

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention

#### Skin

IF ON SKIN: Wash with plenty of water and soap If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse

#### **Precautionary Statements - Storage**

Store locked up

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

#### Other information

Very toxic to aquatic life with long lasting effects

#### Unknown acute toxicity

30.9 % of the mixture consists of ingredient(s) of unknown toxicity 30.9 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

30.9 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

#### Substance

Not applicable.

Mixture

Chemical name	CAS-No	Percent (%)	Hazardous Material	Date HMIRA filed and
			Information Review Act registry number (HMIRA	date exemption granted (if applicable)
			registry #)	
Cobalt lithium manganese nickel oxide	182442-95-1	41.7	-	-
Polyvinglidene fluoride resin	24937-79-9	0.8	-	-
Carbon	7440-44-0	19.5	-	-
Aluminum	7429-90-5	4.2	-	-
Copper	7440-50-8	10.0	-	-
Polypropylene	9003-07-0	5.3	-	-
Lithium hexafluorophosphate	21324-40-3	3.3	-	-
Ethylene carbonate	96-49-1	4.0	-	-
Dimethyl carbonate	616-38-6	3.7	-	-
Nickel	7440-02-0	7.0	-	-
Styrene-Butadiene Rubber (SBR)	9003-55-8	0.3	-	-
Carboxymethyl cellulose	9000-11-7	0.2	-	-

## 4. FIRST AID MEASURES

## First aid measures

General advice	First aid is upon rupture of sealed battery. IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.	
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur.	
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.	
Skin contact	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.	
Ingestion	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.	
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).	
Most important symptoms and effe	cts, both acute and delayed	
Symptoms	Burning sensation.	
Indication of any immediate medica	al attention and special treatment needed	
Note to physicians	Treat symptomatically.	
5. FIRE-FIGHTING MEASURES		
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
Unsuitable extinguishing media	CAUTION: Use of water spray when fighting fire may be inefficient.	

Specific hazards arising from the No information available. chemical

Explosion Data Sensitivity to Mechanical Impac Sensitivity to Static Discharge	t None. None.
Special protective equipment for	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.
fire-fighters	Use personal protection equipment.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas.	
Other Information	Refer to protective measures listed in Sections 7 and 8.	
Environmental precautions		
Environmental precautions	Prevent further leakage or spillage if safe to do so.	
Methods and material for containme	ent and cleaning up	
Methods for containment	Prevent further leakage or spillage if safe to do so.	
Methods for cleaning up	Pick up and transfer to properly labeled containers.	
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.	

## 7. HANDLING AND STORAGE

#### Precautions for safe handling

Advice on safe handling In case of rupture: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

#### Conditions for safe storage, including any incompatibilities

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

**Exposure Limits** The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical name	Alberta	British Columbia	Ontario TWAEV	Quebec

Aluminum	TWA: 10 mg/m <sup>3</sup> TWA: 5	TWA: 1.0 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 5
7429-90-5	mg/m <sup>3</sup>		_	mg/m <sup>3</sup>
Copper	TWA: 0.2 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>	TWA: 0.2 mg/m <sup>3</sup>	TWA: 0.2 mg/m <sup>3</sup>
7440-50-8	TWA: 1 mg/m <sup>3</sup>	TWA: 0.2 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>
Phosphate(1-),	TWA: 2.5 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup>
hexafluoro-, lithium	_	-	_	
21324-40-3				

#### Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

#### Appropriate engineering controls

Engineering controls	Showers
	Eyewash stations
	Ventilation systems.

#### Individual protection measures, such as personal protective equipment

Eye/face protection	If splashes are likely to occur, wear safety glasses with side-shields.
Hand protection	Wear suitable gloves. Impervious gloves.
Skin and body protection	Wear suitable protective clothing. Long sleeved clothing.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties Physical state Appearance Odor Color	Solid No information available No information available No information available	
Odor Threshold	No information available	
Property pH Melting / freezing point Boiling point / boiling range Flash Point Evaporation Rate Flammability (solid, gas) Flammability Limit in Air Upper flammability limit	<u>Values</u> No data available No data available No data available No data available No data available No data available	Remarks Method None known None known None known None known None known None known
Lower flammability limit Vapor pressure Vapor density Relative density Water Solubility Solubility(ies) Partition coefficient: n-octanol/wat	No data available No data available No data available No data available Insoluble in water No data available	None known None known None known None known

Autoignition temperature Decomposition temperature Kinematic viscosity Dynamic viscosity Explosive properties Oxidizing properties	No data available None known None known None known No information available. No information available.	None kn
Other Information Softening Point Molecular Weight VOC Content (%) Liquid Density Bulk Density Particle Size Particle Size Distribution	No information available No information available No information available No information available No information available No information available No information available	
10. STABILITY AND REACT	ΓΙVΙΤΥ	
Reactivity	No information available.	
Chemical stability	Stable under normal conditions.	
Possibility of Hazardous Reactions	None under normal processing.	

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to avoid None known based on information supplied.

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

## **11. TOXICOLOGICAL INFORMATION**

#### Information on likely routes of exposure

Product Information	Product does not present an acute toxicity hazard based on known or supplied information In case of rupture:
Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). Irritating to eyes.
Skin contact	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Information on toxicological effects	<u>8                                    </u>
Symptoms	Redness. May cause redness and tearing of the eyes.

Numerical measures of toxicity

#### nown

#### Unknown acute toxicity

30.9 % of the mixture consists of ingredient(s) of unknown toxicity

- 30.9 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 30.9 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Classification based on data available for ingredients. Irritating to skin.
Serious eye damage/eye irritation	Classification based on data available for ingredients. Irritating to eyes.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	Classification based on data available for ingredients. Contains a known or suspected carcinogen.

#### Legend

ACGIH (American Conference of Governmental Industrial Hygienists) A3 - Animal Carcinogen IARC (International Agency for Research on Cancer) Group 2B - Possibly Carcinogenic to Humans NTP (National Toxicology Program) Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen OSHA (Occupational Safety and Health Administration of the US Department of Labor) X - Present

Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	No information available.

## **12. ECOLOGICAL INFORMATION**

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Copper	(Pseudokirchneriella subcapitata) 72h EC50:	96h LC50: 0.0068 - 0.0156 mg/L (Pimephales promelas) 96h LC50: = 1.25 mg/L (Lepomis macrochirus) 96h LC50: = 0.052 mg/L (Oncorhynchus mykiss) 96h LC50: = 0.2 mg/L (Pimephales promelas) 96h LC50: < 0.3 mg/L (Pimephales promelas)		48h EC50: = 0.03 mg/L

96h LC50: = 0.112 mg/L	
(Poecilia reticulata) 96h	
LC50: = 0.3 mg/L	
(Cyprinus carpio) 96h	
LC50: = 0.8 mg/L	
(Cyprinus carpio)	

Persistence and Degradability	No information available.
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**Bioaccumulation** 

Mobility No information available.

Other adverse effects No information available.

## **13. DISPOSAL CONSIDERATIONS**

#### Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

## **14. TRANSPORT INFORMATION**

Ν	ote	•
		•

TDG

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The transportation of primary lithium cells and batteries is regulated by the International Civil Aviation Organization, International Air Transport Association, International Maritime Dangerous Goods Code and the US Department of Transportation. The batteries must meet the following criteria for shipment: 1. Air shipments must meet the requirements listed in Special Provision A45 of the International Air Transport Association Dangerous Goods Regulations. 2. Meet the requirements for the US Department of Transportation listed in 49 CFR 173.185.3. The transport of primary lithium batteries is prohibited aboard passenger aircraft. Refer to the Federal Register December 15, 2004 (Hazardous Materials; Prohibited on the Transportation of Primary Lithium Batteries and Cells Aboard Passenger Aircraft; Final Rule) Lithium batteries shipped as "Lithium batteries", "Lithium batteries packed with equipment", or "Lithium batteries contained in equipment" may not be classified as "Dangerous Goods" when shipped in accordance with "special provision A45 of IATA-DGR" or "special provision 188 of IMO-IMDG Code" Not regulated 

DOT Proper Shipping Name Hazard Class Emergency Response Guide Number	NOT REGULATED NON-REGULATED N/A 147
<u>MEX</u>	Not regulated
ICAO	Not regulated
IATA Proper Shipping Name Hazard Class	Not regulated NON REGULATED N/A
IMDG/IMO	Not regulated

Hazard Class EmS-No.	N/A F-A, S-I
RID	Not regulated
ADR	Not regulated
ADN	Not regulated

## **15. REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture

#### International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status.
DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

### 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<u>NFPA</u>	Health hazards 1	Flammability 0	Instability 0	Physical and Chemical Properties -
HMIS_	Health hazards 0	Flammability 0	Physical hazards 0	Personal Protection X
Prepared By	Guangzhou CP-UP Certification Technology Service Co., Ltd.			
Issuing Date	23-07-2019			
Revision Note	No informa	tion available		

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless

#### specified in the text

Inhalation Statement Not Hazardous Hazard statements Signal word Precautionary Statements

Signal word Skin corrosion/irritation Hazard statements Signal word Serious eye damage/eye irritation Hazard statements Signal word Carcinogenicity Hazard statements Signal word Specific target organ toxicity (repeated exposure) Skin corrosion/irritation Serious eye damage/eye irritation Carcinogenicity STOT - repeated exposure STOT - repeated exposure

- (H319)

- (H351)

- (H372)

Graphic

Graphic

#### **End of Safety Data Sheet**

dust This is a battery. In case of rupture: Causes damage to organs through prolonged or repeated exposure Danger P302 + P352 - IF ON SKIN: Wash with plenty of water and soap P321 - Specific treatment (see supplemental first aid instructions on this label) P332 + P313 - If skin irritation occurs: Get medical advice/attention P362 + P364 - Take off contaminated clothing and wash it before reuse P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337 + P313 - If eye irritation persists: Get medical advice/attention P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P280 - Wear protective gloves/protective clothing/eye protection/face protection P308 + P313 - IF exposed or concerned: Get medical advice/attention P405 - Store locked up P260 - Do not breathe dust/fume/gas/mist/vapors/spray P264 - Wash face, hands and any exposed skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P314 - Get medical advice/attention if you feel unwell P501 - Dispose of contents/ container to an approved waste disposal plant Danger Category 2 Causes skin irritation Warning Category 2A Causes serious eye irritation Warning Category 2 Suspected of causing cancer Warning Category 1 - (H315)

Graphic

Hazard statements

Hazard statements

Precautionary Statements - EU (§28, 1272/2008)

**Precautionary Statements** 

Skin

**Precautionary Statements** 

Precautionary Statements - Prevention

Precautionary Statements - Response

Eyes

Skin

Take off contaminated clothing and wash it before reuse Precautionary Statements - Storage Store locked up Precautionary Statements - Disposal Dispose of contents/container to an approved waste disposal plant Contains lithium Unknown acute toxicity 90.77 % of the mixture consists of component(s) of unknown hazards to the aquatic environment Unknown Acute Aquatic Toxicity 90.77 Unknown Chronic Aquatic Toxicity 90.77 Product ATE Oral Status Product ATE Dermal Status 1 Product ATE Inhalation - Gas Status 1 Product ATE Inhalation - Vapor Status Product ATE Inhalation - Dust/Mist Status 1 Product Skin Corrosion Status 1 Product Eye Damage Status 1



Causes skin irritation Causes serious eve irritation Suspected of causing cancer Causes damage to organs through prolonged or repeated exposure

H315 - Causes skin irritation H319 - Causes serious eye irritation H351 - Suspected of causing cancer H351 - Suspected of causing cancer H372 - Causes damage to organs through prolonged or repeated exposure H372 - Causes damage to organs through prolonged or repeated exposure

P103 - Read label before use P280 - Wear face protection P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish P234 - Keep only in original container P303 - IF ON SKIN (or hair):

IF ON SKIN: Wash with plenty of water and soap IF ON SKIN: Wash with plenty of water and soap If skin irritation occurs: Get medical advice/attention If skin irritation occurs: Get medical advice/attention Take off contaminated clothing And wash it before reuse Take off contaminated clothing and wash it before reuse Take off contaminated clothing And wash it before reuse Take off contaminated clothing and wash it before reuse IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention If eye irritation persists: Get medical advice/attention Obtain special instructions before use Obtain special instructions before use Do not handle until all safety precautions have been read and understood Do not handle until all safety precautions have been read and understood Wear protective gloves Wear protective gloves IF exposed or concerned: Get medical advice/attention IF exposed or concerned: Get medical advice/attention Store locked up Do not breathe dust/fume/gas/mist/vapors/spray Do not breathe dust/fume/gas/mist/vapors/spray Do not breathe dust/fume/gas/mist/vapors/spray Do not eat, drink or smoke when using this product Do not eat, drink or smoke when using this product Get medical advice/attention if you feel unwell Get medical advice/attention if you feel unwell

IF ON SKIN: Wash with plenty of water and soap If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap P321 - Specific treatment (see supplemental first aid instructions on this label) P332 + P313 - If skin irritation occurs: Get medical advice/attention P362 + P364 - Take off contaminated clothing and wash it before reuse P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337 + P313 - If eye irritation persists: Get medical advice/attention P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P280 - Wear protective gloves/protective clothing/eye protection/face protection P308 + P313 - IF exposed or concerned: Get medical advice/attention P405 - Store locked up P260 - Do not breathe dust/fume/gas/mist/vapors/spray P264 - Wash face, hands and any exposed skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P314 - Get medical advice/attention if you feel unwell P501 - Dispose of contents/ container to an approved waste disposal plant

Obtain special instructions before use Do not handle until all safety precautions have been read and understood Wear protective gloves/protective clothing/eve protection/face protection Wash face. hands and any exposed skin thoroughly after handling Do not breathe dust/fume/gas/mist/vapors/spray Do not eat, drink or smoke when using this product

IF exposed or concerned: Get medical advice/attention Specific treatment (see supplemental first aid instructions on this label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention IF ON SKIN: Wash with plenty of water and soap If skin irritation occurs: Get medical advice/attention

Product Respiratory Sens. Status Product Skin Sensitization Status Product Mutagenic Status	1 1 1			
Product Carcinogenic Status	1			
Product Reproductive Toxicity Status	1			
Product STOT Single Status	1			
Product STOT Repeated Status	1			
Product Aquatic Toxicity Status	1			
Product Aspiration Toxicity Status	1			
Product Ozone Status	1			
Product and Component Overall	1			
Classification Status				
STOT - repeated exposure	- (H372)			
Unknown acute toxicity	30.9 % of the mixture consists of ingredient(s) of unknown toxicity			
30.9 % of the mixture consists of ingredient(s) of unknown acute oral toxicity				
30.9 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity				
30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)				
30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)				
30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)				
Symbols/Pictograms				
Symbols/Fictograms				

Symbols/Pictograms

Other hazards Health hazards Health hazards Inhalation Statement Health hazards

Very toxic to aquatic life with long lasting effects Skull and Crossbones Exclamation mark dust 1