



#### 4. FIRST AID MEASURES

##### Description of required first aid measures

<b>Eye contact</b>	In case of contact with eyes, flush with fresh water. Check for and remove any contact lenses. Continue rinsing. Get medical attention if irritation persists.
<b>Skin contact</b>	In case of irritation, rinse with water. Get medical attention if irritation persists.
<b>Ingestion</b>	Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
<b>Inhalation</b>	Move victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

##### Most important symptoms/effects, acute and delayed

<b>Eye contact</b>	No specific symptoms under normal use conditions.
<b>Skin contact</b>	No specific symptoms under normal use conditions.
<b>Ingestion</b>	No specific symptoms under normal use conditions.
<b>Inhalation</b>	No specific symptoms under normal use conditions.
<b>Notes to physician</b>	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

See toxicological information (Section 11)

#### 5. FIRE-FIGHTING MEASURES

##### Extinguishing media

<b>Suitable extinguishing media</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	No specific fire or explosion hazard.
<b>Hazardous thermal decomposition products</b>	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides
<b>Special fire-fighting procedures</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action should be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Initiate spill response procedures if required.
<b>Personal protection</b>	Put on appropriate personal protective equipment (see Section 8).
<b>Cleaning method</b>	Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use a water rinse for final clean-up.

#### 7. HANDLING AND STORAGE

<b>Handling</b>	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See Section 8 for additional information on hygiene measures.
<b>Storage and incompatibility</b>	Store in accordance with local regulations. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Keep out of reach of children. Store away from incompatible materials (see Section 10).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

Ingredient name	Exposure limits
cyanuric acid	AIHA WEEL (United States, 10/2011). TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Total

**Appropriate engineering controls** Good general ventilation should be sufficient to control worker exposure to airborne contaminants that could arise from the use of this product.

### Individual protection measures

**Eye/face protection** Continued or intense exposures might require to wear safety glasses. No specific protective equipment required under normal use conditions.

**Hands and Body protection** No specific protective equipment required under normal use conditions.

**Respiratory protection** It is suggested to wear dust-protection mask for prolonged or intense exposures.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Solid. [Granular solid.]	<b>pH</b>	4.5 [Conc. (% w/w): 1%]	<b>Flash point</b>	[Product does not sustain combustion.]
<b>Color</b>	White.	<b>Relative density</b>	1.75	<b>Melting point</b>	320 °C (608 °F)
<b>Odor</b>	Odorless.	<b>Viscosity</b>	Not available.	<b>Boiling point</b>	Not available.
<b>Odor threshold</b>	Not available.	<b>Vapor pressure</b>	Not available.	<b>Fire point</b>	: Not available.
<b>Solubility in water</b>	: Not available.	<b>Vapor density</b>	: Not available.	<b>Evaporation rate</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.	<b>Auto-ignition temperature</b>	: Not available.		
<b>Partition coefficient: n-octanol/water</b>	: Not available.	<b>Flammability (solid, gas)</b>	: Not available.		
<b>Lower and upper explosive (flammable) limits</b>	: Not available.				

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	The product is stable.
<b>Incompatible materials</b>	No specific data.
<b>Conditions to avoid</b>	No specific data.
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. TOXICOLOGICAL INFORMATION

<b>Route of exposure</b>	Routes of entry anticipated: Oral, Inhalation. Routes of entry not anticipated: Dermal.	
	<u>Potential acute health effects</u>	<u>Symptoms</u>
<b>Eye contact</b>	No known significant effects or critical hazards.	No specific symptoms under normal use conditions.
<b>Skin contact</b>	No known significant effects or critical hazards.	No specific symptoms under normal use conditions.
<b>Ingestion</b>	No known significant effects or critical hazards.	No specific symptoms under normal use conditions.
<b>Inhalation</b>	No known significant effects or critical hazards.	No specific symptoms under normal use conditions.

### Toxicity data

Product/ingredient name	Result	Species	Dose	Exposure



Cyanuric acid	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	7700 mg/kg	-

**Information on toxicological effects**

<b>Mutagenicity</b>	No known significant effects or critical hazards.
<b>Teratogenicity</b>	No known significant effects or critical hazards.
<b>Developmental effects</b>	No known significant effects or critical hazards.
<b>Fertility effects</b>	No known significant effects or critical hazards.
<b>Sensitization</b>	Not available.
<b>Carcinogenicity</b>	No known significant effects or critical hazards.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity data**

Product/ingredient name	Result	Species	Exposure
Cyanuric acid	Acute EC50 620 mg/l	Algae - Selenastrum capricornutum	72 hours
	Acute EC50 >1000 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 >100 mg/l	Fish - Oryzias latipes	96 hours
	Acute LC50 0.62 ppm Fresh water	Fish - Lepomis macrochirus	96 hours

Persistence and degradability : Unknown Bioaccumulative potential : Unknown Mobility in soil : Unknown Other adverse effects : Unknown

**13. DISPOSAL CONSIDERATIONS**

Disposal methods : Dispose content and container in accordance with local, regional and national regulation in force.

**14. TRANSPORT INFORMATION**

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	TDG Placard
<b>TDG Classification</b>	Not regulated.	-	-	-	-

**Additional information** : See shipping documents for specific information on DOT, IMDG or IATA

**15. REGULATORY INFORMATION**

**Canadian lists**

<b>Canadian NPRI</b>	None of the components are listed.
<b>CEPA Toxic substances</b>	None of the components are listed.
<b>Canada inventory</b>	All components are listed or exempted.

**International lists**

**United States** : All components are listed or exempted.

**16. OTHER INFORMATION**

Hazardous Material Information System (U.S.A.)

Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	B

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Chimie Internationales inc.  
9585 ignace,  
Brossard, Qc, J4Y 2R4

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