



#### 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. If irritation persists, get medical attention.
<b>Skin contact</b>	In case of irritation, rinse with water. Get medical attention if irritation persist.
<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 adverse health effects persist or are severe. Maintain an open airway.

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

<b>Eye contact</b>	Adverse symptoms may include the following: irritation watering redness
<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>	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous thermal decomposition products</b>	Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/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

None.

**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 required to wear safety glasses. It is minimally suggested to wear safety glasses while using or handling this product.

**Hands and Body protection** No specific protective equipment required under normal use conditions. Prolonged or severe exposures might require to wear chemical-resistant gloves.  
No special protective clothing is required.

**Respiratory protection** No specific protective equipment required under normal use conditions.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Liquid.	<b>pH</b>	10.3	<b>Flash point</b>	[Product does not sustain combustion.]
<b>Color</b>	Orange.	<b>Relative density</b>	1.029	<b>Melting point</b>	Not available.
<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: Dermal. Routes of entry not anticipated: Oral, Inhalation.	
<b>Eye contact</b>	<u>Potential acute health effects</u> May cause eye irritation.	<u>Symptoms</u> Adverse symptoms may include the following: irritation watering redness
<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

Alcohols, C7-21, ethoxylated	LD50 Dermal	Rabbit	>2000 mg/kg	-
sodium carbonate	LD50 Oral	Rat	>2000 mg/kg	-
	LC50 Inhalation	Rat	1150 mg/m <sup>3</sup>	4 hours
	Dusts and mists			
	LD50 Oral	Rat	2390 mg/kg	-

**Information on toxicological effects**

**Mutagenicity** No known significant effects or critical hazards.

**Teratogenicity** No known significant effects or critical hazards.

**Developmental effects** No known significant effects or critical hazards.

**Fertility effects** No known significant effects or critical hazards.

**Sensitization** Not available.

**Carcinogenicity** No known significant effects or critical hazards.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity data**

Product/ingredient name	Result	Species	Exposure
Alcohols, C7-21, ethoxylated	Acute EC50 5.3 mg/l	Daphnia	48 hours
sodium carbonate	Acute LC50 70.1 mg/l	Fish	48 hours
	Acute EC50 200 mg/l	Daphnia - Cladoceran	48 hours
	Acute LC50 300 mg/l	Ceriodaphnia	
		Fish - Bluegill sunfish 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.	-	-	-	
<b>Additional information</b> See shipping documents for specific information on DOT, IMDG or IATA					

**15. REGULATORY INFORMATION**

**Canadian lists**

**Canadian NPRI** None of the components are listed.

**CEPA Toxic substances** None of the components are listed.

**Canada inventory** 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	A

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