


# PH -

1. IDENTIFICATION	
Product name	: <b>PH -</b>
Product code	: <b>30-13180</b>
Supplier	: Clearwater CP 25 Victoriaville, Québec G6P 6S4
Other means of identification	: Not available.
Manufacturer	: Manufactured for: Clearwater C.P. 25 Victoriaville, Quebec G6P 6S4
Identified uses	: Consumer products: Pool & Spa water treatment product This MSDS is provided as information only. This product is not WHMIS regulated. This product is regulated under CCCR regulation. Packaged as a consumer good.
Uses advised against	: Only use this product as directed. Read label before using.
Date of issue (YYYY-MM-DD)	: 2016-11-17
<b>In case of emergency : Emergency phone: CANUTEC (613) 996-6666 (Collect calls accepted)</b>	

2. HAZARDS IDENTIFICATION	
Information in this section only concerns the product as supplied. Contact your account manager to get more information on diluted form hazards identification.	
Product Classification	: <b>SERIOUS EYE DAMAGE - Category 1</b> Health Hazards Not Otherwise Classified - Category 1
Signal word	: <b>Danger</b>
Hazard pictograms	: 
Hazard statements	: Causes digestive tract burns. May cause severe eye damage.
<u>Precautionary statements</u>	
General	: Corrosive material. Handle with care. Read label before use. Keep out of reach of children.
Prevention	: Wash hands thoroughly after handling. Specific protective equipment is suggested for this product. See section 8 for details.
Response	: Rinse with water. IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	: No specific measure needed. See section 7 for more information on handling and storage.
Disposal	: No specific measure needed. See section 13 for waste disposal information.
Supplemental label elements	: No additional information.
Other hazards which do not result in classification	: None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture : Substance

Ingredient name	CAS number	% (w/w)
sodium hydrogensulphate	7681-38-1	60 - 100

Occupational exposure limits, if available, are listed in Section 8.

### 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. Chemical burns must be treated promptly by a physician. Get medical attention if blistering occurs or redness persists. Get medical attention if irritation persists.
<b>Skin contact</b>	Remove contaminated clothing and wash it before reuse. Chemical burns must be treated promptly by a physician. Get medical attention if blistering occurs or redness persists. Get medical attention if irritation occurs.
<b>Ingestion</b>	Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Chemical burns must be treated promptly by a physician. Get medical attention if symptoms occur.
<b>Inhalation</b>	Move victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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: pain watering redness
<b>Skin contact</b>	Adverse symptoms may include the following: pain or irritation redness blistering may occur
<b>Ingestion</b>	Adverse symptoms may include the following: stomach pains
<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: sulfur oxides 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

<b>Occupational exposure limits</b>	
None.	
<b>Appropriate engineering controls</b>	If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
<b>Individual protection measures</b>	
<b>Eye/face protection</b>	Continued or severe exposures might required to wear a face shield or chemical splash goggles. It is minimally suggested to wear safety glasses while using or handling this product.
<b>Hands and Body protection</b>	It is suggested to wear chemical-resistant gloves while using or handling this product.
<b>Respiratory protection</b>	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>	2 [Conc. (% w/w): 1%]	<b>Flash point</b>	[Product does not sustain combustion.]
<b>Color</b>	Off-white.	<b>Relative density</b>	Not available.	<b>Melting point</b>	Not available.
<b>Odor</b>	Fresh to pungent.	<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.	
<b>Eye contact</b>	<u>Potential acute health effects</u> May cause eye burn	<u>Symptoms</u> Adverse symptoms may include the following: pain watering redness
<b>Skin contact</b>	No known significant effects or critical hazards.	Adverse symptoms may include the following: pain or irritation redness blistering may occur
<b>Ingestion</b>	Corrosive to the digestive tract. Causes burns. May cause burns to mouth, throat and stomach.	Adverse symptoms may include the following: stomach pains
<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
sodium hydrogensulphate	LD50 Oral	Rat	2490 mg/kg	-
	LD50 Oral	Rat	2800 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
sodium hydrogensulphate	Acute EC50 190 mg/l	Daphnia - Daphnia magna	48 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
TDG Classification	Not regulated.	-	-	-	-

Additional information 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	B

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Prepared by : Regulatory Affairs Department

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### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.