

SECTION 1 : IDENTIFICATION OF THE PRODUCT AND THE COMPANY

· 1.1 Product identifier

Name of product : **CrystalSPA**

· 1.2 Relevant identified uses of the substance or mixture and uses advised against

Mixture for SPA water

No other important information available

· 1.3 Details of the supplier of the safety data sheet:

RUDBECOM

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J4R2T8 tel. +(514) 996-4430

Fax +(450) 671-5921

e-mail : MB@crystalplus.ca

SECTION 2 : HAZARDS IDENTIFICATION

· 2.1 Classification of the substance or mixture

Classification according to regulation 1272/2008 :



GHS05

Causes serious eye damage category 1: (H318)

· 2.2 Label elements

Labelling according to EU regulation n° 1272/2008 :

GHS Pictograms:



GHS05

Signal Word: Danger

Hazard Statements:

H318: Causes serious eye damage

Precautionary Statement:

General precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Precautionary statements — Prevention

P280 Wear eye protection

Precautionary Statement Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

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lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician

Other informations:

· **2.3 Other hazards:**

Results of assessments PBT et vPvB :

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

· **3.1 Substances**

Identification (CAS)	Designation	Règlement 1272-2008	%
CAS: 497-19-8 EINECS: 207-838-8 Index Number: 011-005-00-2 Reg.nr.: 01-2119485498-19	sodium carbonate	GHS07 H319	20-40 %
CAS: 10043-01-3 EINECS: 233-135-0	Aluminum sulphate	GHS05 H318	20- 40%

For the signification of the hazards statements, see section 16.

· **3.2 Mixtures**

Description: Mixture of mentioned substances.

SECTION 4: FIRST AID MEASURES

· **4.1 Description of first aid measures:**

After important inhalation: Give fresh air; consult a physician in case of trouble.

After eye contact:

Rinse cautiously with water for several minutes. In case of persistent troubles, consult a physician.

In case of swallowing:

Never induce vomiting. Drink some glasses of water or milk. Never give drink if the victim is unconscious.

· **4.2 Most important symptoms and effects, both acute and delayed:**

No available information.

· **4.3 Indication of any immediate medical attention and special treatment needed:**

No available information.

SECTION 5: FIREFIGHTING MEASURES

· **5.1 Extinguishing media:**

This mixture doesn't burn.

· **5.2 Special hazards arising from the substance or mixture:**

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No available information.

· **5.3 Advice for firefighters:**

No particular safety measure.

SECTION 6: ACCIDENTAL RELEASE MEASURES

· **6.1 Personal precautions, protective equipment and emergency procedures:**

Not needed.

· **6.2 Environmental precautions:**

Prevent any penetration into sewers or waterways.

In case of penetration in waterways or sewers, inform appropriate authorities.

Never release into pipes, surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**

Shovel spilled matter into clean containers and avoid formation of dust.

· **6.4 Reference to other sections:**

For information about care handling, see chapter 7.

For information about PPE see chapter 8.

For information about disposal, see chapter 13.

SECTION 7: HANDLING AND STORAGE

· **7.1 Precautions for safe handling:**

Ensure a good ventilation at the working post. Avoid formation of dust.

Avoid contact with hands and especially with eyes.

Prevention of fire and explosions: No particular safety measure needed.

· **7.2 Conditions for safe storage, including any incompatibilities:**

Storage : No special demand.

Demand concerning and location containers for storage: No special demand.

Indications concerning common storage: Not needed.

· **7.3 Specific end use(s):** No other important information available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

· **8.1 Control parameters:**

Substances with limit value:

10043-01-3 Aluminum sulphate (20-40%)

VME France : 2mg/m³

· **8.2 Exposure controls:**

PPE (Personal Protective Equipment):

General measures about protection and hygiene:

Wash hands before breaks and at the end of work.

Avoid any contact with eyes.

Immediately discard soiled or dampened clothes.

Respiratory protection: Not needed.

Hands protection: Not needed.

Eye protection: Wear security glasses in case of projection.

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· **9.1 Information on basic physical and chemical properties**

Physical state: Powder

Color: White

Odor: Odorless

Melting point: Not determined.

Initial boiling point: Not determined

Flash point: Not applicable

Auto-ignition temperature: The mixture is not flammable.

Explosive properties: The mixture is not explosive.

Density: Not determined.

Solubility in water: Soluble

Partition coefficient: n-octanol/water: Not determined

· **9.2 Other information:** No other important information available.

SECTION 10: STABILITY AND REACTIVITY

- **10. Reactivity:** No other important information available.
- **10.2 Chemical stability:** The product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
- **10.3 Possibility of hazardous reactions:** No hazardous reaction known.
- **10.4 Conditions to avoid:** No other important information available.
- **10.5 Incompatible materials:** No other important information available.
- **10.6 Hazardous decomposition products:** No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

- **11.1 Information on toxicological effects**
- **Skin corrosion/irritation:** No effect.
- **Serious eye damage/irritation:** Causes serious eye damage due to aluminum sulphate.
- **Sensitization:** No effect known.

SECTION 12: ECOLOGICAL INFORMATION

- **12.1 Toxicity**
- Aquatic Toxicity:** No other important information available.
- **12.2 Persistence and degradability:** No other important information available.
- **12.3 Bioaccumulative potential:** No other important information available.
- **12.4 Mobility in soil:** No other important information available.
- Ecotoxicological effects:** No other important information available.
- Other ecological information :** No other important information available.
- General indications:**
- Water hazard class 1 (D): slightly hazardous for water



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Prevent any penetration into waterways, surface and ground waters, sewers and pipe.

· **12.5 Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

· **12.6 Other adverse effects:** No other important information available.

SECTION 13: DISPOSAL CONSIDERATION

· **13.1 Waste treatment methods:**

Recommendation:

Do not dispose with household garbage. Don't allow penetration into sewers.

Recommendation: Eliminate according to national regulation by authorized company.

Recommended cleaning products: Water, possibly with cleaning products.

SECTION 14: TRANSPORT INFORMATION

· **14.1 UN number**

· **ADR, IMDG, IATA** Not applicable

· **14.2 UN proper shipping name**

· **IMDG, IATA** Not applicable

· **14.3 Transport hazard class(es)**

· **14.4 Packing group** Not applicable

· **14.5 Environmental hazards** Not applicable

· **14.6 Special precautions for user** Not applicable

· **14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.

SECTION 15: REGULATORY INFORMATION

· **15.2 Chemical safety assessment:** No chemical safety assessment has been done.

SECTION 16: OTHER INFORMATIONS

Hazard Statements

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

Method used for classification of the mixture

The classification has been established according to the European regulation 1272-2008 (CLP).

GHS Pictograms:



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GHS05

GHS07

· **Acronyms and abbreviations:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50 : Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

VME : Valeur Moyenne d'Exposition (Exposition Mean Value during 8 H)

RESTRICTED LIABILITY

The facts are based on our current knowledge at the date 22/02/2015. They are given quite sincerely. The purpose is to describe the products considering the safety requirements. Moreover the attention of the user is drawn on the risks possibly taken when a product is used for other uses than those for which it was manufactured.

This sheet is not a warranty for the properties of the product. We draw the attention of the user to conform himself to local safety regulations and to special regulations concerning his particular activity.