

CALCIUM

1. IDENTIFICATION

Product name : CALCIUM

Product code : 30-24500 Other means of identification : Not available.

Supplier : Chimie Internationales inc. Manufacturer : Manufactured for:

9585 ignace, Chimie Internationales inc.

Brossard, Qc, J4Y 2R4 9585 ignace, Brossard, Qc, J4Y 2R4

This MSDS is provided as information only. This product is not WHMIS regulated. This product is

regulated under CCCR regulation.

: 2016-11-25

In case of emergency : Emergency phone: CANUTEC (613) 996-6666 (Collect calls accepted)

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 : EYE IRRITATION - Category 2A

Signal word : Warning Hazard pictograms



Hazard statements : May cause severe eye irritation.

Precautionary statements

Date of issue (YYYY-MM-DD)

General : Read label before use. Keep out of reach of children.

Prevention: 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. If eye irritation persists: Get medical

attention.

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.



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3. COMPOSITION/INFORMATION ON INGREDIENTS Substance/mixture : Mixture Ingredient name Calcium chloride (CaCl2), dihydrate Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

Description of required first aid measures

Eye contact 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. Get medical attention if irritation persist.

Skin contact Get medical attention if irritation occur.

Ingestion Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Inhalation 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

Eye contact Adverse symptoms may include the following:

pain or irritation watering redness

Skin contact No specific symptoms under normal use conditions.

Ingestion No specific symptoms under normal use conditions.

Inhalation No specific symptoms under normal use conditions.

Notes to physician 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

Unsuitable extinguishing media None known.

Specific hazards arising from the No specific fire or explosion hazard.

chemical

Hazardous thermal decomposition products Decomposition products may include the following materials:

halogenated compounds metal oxide/oxides

Special fire-fighting procedures

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.

Special protective equipment for fire-

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a

fighters full face-piece operated in positive pressure mode

6. ACCIDENTAL RELEASE MEASURES

Personal precautions 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.

Personal protection Put on appropriate personal protective equipment (see Section 8).

Cleaning method 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.



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7. HANDLING AND STORAGE

Handling 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.

Storage and Incompatibility 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 if

Individual protection measures

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

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

Solid. Physical state 9.5 [Conc. (% w/w): 1%] [Product does not sustain pΗ Flash point

combustion.]

Color White. 772°C (1421.6°F) Relative density Not available. **Melting point**

Odor Odorless. Viscosity Not available. **Boiling point** 1600°C (2912°F)

Odor threshold Not available. Vapor pressure Not available. Fire point Not available.

Solubility in water Vapor density : Not available. **Evaporation rate** : Not available. : Not available.

Auto-ignition temperature : Not available. **Decomposition temperature** : Not available.

Partition coefficient: n-octanol/ water

Conditions to avoid

Lower and upper explosive (flammable) limits : Not available.

No specific data.

: Not available.

10. STABILITY AND REACTIVITY

Flammability (solid, gas)

Reactivity No specific test data related to reactivity available for this product or its ingredients.

Chemical stability The product is stable. Incompatible materials No specific data.

Possibility of hazardous reactions Under normal conditions of storage and use, hazardous reactions will not occur.

Hazardous decomposition products Under normal conditions of storage and use, hazardous decomposition products should not be produced.



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: Not available.

11. TOXICOLOGICAL INFORMATION

Route of exposure Routes of entry anticipated: Oral, Inhalation.

Routes of entry not anticipated: Dermal.

Potential acute health effects Symptoms

Eye contact cause eye irritation

Adverse symptoms may include the following:

pain or irritation

watering redness

Skin contact No known significant effects or critical hazards. No spec

No specific symptoms under normal use conditions.

Ingestion No known significant effects or critical hazards.

No specific symptoms under normal use conditions.

Inhalation No known significant effects or critical hazards. No s

No specific symptoms under normal use conditions.

Toxicity data

Product/ingredient name	Result	Species	Dose	Exposure
		Rabbit Rat - Male	>5000 mg/kg 3798 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
Calcium chloride (CaCl2), dihydrate	Acute EC50 2700 mg/l Growth rate	Aquatic plants - Selenastrum capricornutum	72 hours
	Acute EC50 2400 mg/l	Daphnia - Daphnia magna	48 hours
	Acute LC50 19400 mg/l	Crustaceans - Cyclops abyssorum prealiinus	48 hours
	Acute LC50 2770 mg/l	Daphnia - Daphnia magna	48 hours
	Acute LC50 13400 mg/l	Fish - Gambusia affinis	96 hours
	Acute LC50 10650 mg/l	Fish - Lepomis macrochirus	96 hours
	Acute LC50 4630 mg/l	Fish - Pimephales promelas	96 hours

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

degradability

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 documer	nts for specific information on DOT	, IMDG or IATA						



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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 Fire Hazard 0 Reactivity 0 Personal Protection В

Date of issue/Date of revision (YYYY-MM-: 2016-11-25

Prepared by : Regulatory Affairs Department

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

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

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.



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