

Precautionary Statements Wash thoroughly after handling. Wear protective gloves / protective clothing / eye protection / face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. If eye irritation persists: Get medical advice/attention.

Section 3. Composition

3.1 Substances

| Component | CAS No. | EEC No. | REACH No. | Conc w/w | CLP Classification (1272/2008/CE) |
|------------------|------------|-----------|-----------------------|----------|-----------------------------------|
| Calcium chloride | 10043-52-4 | 233-140-8 | 01-2119494219-28-XXXX | >77% | Eye Irrit. 2 |

Section 4. First Aid

4.1 Description of first aid measures

| | |
|--------------------------------------|--|
| Eyes | Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION. |
| Skin | Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use. If discomfort persists OBTAIN MEDICAL ATTENTION. |
| Inhalation | Remove from exposure. |
| Ingestion | Wash out the patients mouth thoroughly with water. Do not induce vomiting. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION. |
| Personal protection for first aiders | Wear protective gloves / eye protection. |

4.2 Most important symptoms and effects, both acute & delayed.

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed.

No further relevant information available.

Section 5. Fire Fighting

5.1 Extinguishing media

| | |
|---------------------|--|
| Extinguishing Media | Consider what other flammable materials are present and act accordingly. |
| Unsuitable Media | Nothing specified. |

5.2 Special hazards arising from the substance or mixture

| | |
|---------|-----------------------------------|
| Hazards | Presents no specific fire danger. |
|---------|-----------------------------------|

5.3 Advice for firefighters

| | |
|-------------------------|---|
| Advice for firefighters | Consider all other materials in the vicinity. |
|-------------------------|---|

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

| | |
|---------------------|---|
| Personal Protection | Avoid breathing dust-wear respiratory protective equipment. |
|---------------------|---|

6.2 Environmental precautions

| | |
|--------------|---|
| Enviromental | Presents no major environmental hazard. |
|--------------|---|

6.3 Methods and material for containment and cleaning up

| | |
|----------------|--|
| Major Spillage | Shovel/sweep up into container for removal Wash area down with copious amounts of water. |
| Minor Spillage | Wash area down with copious amounts of water. |

6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

Section 7. Storage & Handling

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.

Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry place protected against moisture and water.

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

| Component | CAS No | Concentration | Workplace Exposure Limits | |
|------------------|------------|---------------|---------------------------|-------------------------|
| | | | Long Term (8hr TWA) | Short Term 15min period |
| Calcium chloride | 10043-52-4 | >77% | - | - |

Exposure data source(s) No occupational exposure data currently available.

8.2 Exposure controls

Respiratory Protection If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.

Hand Protection Wear gloves.

Eye Protection Use tightly fitting chemical splash proof glasses or goggles.

Skin Protection Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

Special Hazards No special precautions required.

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

| | |
|-----------------------|--|
| Appearance | Off-white porous granules. |
| Odour | No specific odour. |
| pH | 14 @ 20°C solution. |
| Boiling Point | Not available |
| Melting Point | 782 °C |
| Flash Point | Not applicable |
| Upper Flammable Limit | Not applicable |
| Lower Flammable Limit | Not applicable |
| Auto Ignition | Not applicable |
| Explosive Properties | No. |
| Oxidising Properties | No. |
| Vapour Pressure | Not applicable |
| Relative Density | 1.6800 |
| Water Solubility | 745 g/L Completely soluble in water with moderate increase in temperature. |

9.2 Other information

No data available.

Section 10. Stability & Reactivity

10.1 Reactivity No data available.

10.2 Chemical Stability Stable under normal conditions

10.3 Possibility of hazardous reactions No data available.

- 10.4** Conditions to Avoid No specific conditions.
- 10.5** Incompatible Materials No specific materials to avoid.
- 10.6** Hazardous Decomposition Products May produce hazardous fumes if involved in a fire.

Section 11. Toxicological Information

11.1 Information on toxicological effects

| | |
|----------------------|---|
| Eyes | Contact with the solid or dust will be irritating to the eyes. |
| Skin | Contact with the solid or dust may be irritating to the skin. |
| LD50 Skin | >5000 mg/Kg Rabbit |
| Ingestion | Presents no significant hazard by ingestion. Ingestion of large amounts may produce nausea, abdominal discomfort, vomiting and diarrhoea. |
| LD50 Oral | 2120 mg/Kg Rat |
| Inhalation | Inhalation of dust will produce irritation of the eyes, nose, throat and respiratory tract. |
| LD50 Inhalation | Not available |
| TCLo | Not available |
| Carcinogenicity | Not considered to be a carcinogen. |
| Mutagenicity | Not considered to be a mutagen. |
| Reproductive Effects | None identified. |

Section 12. Ecological

- 12.1** Toxicity No specific environmental hazard.
- LC50 Algal 4000 mg/L Algae
- LC50 Crustacea 2400 mg/L Daphnia
- LC50 Fish >4630 mg/L Fathead Minnow (96 hours)
- 12.2** Persistence and degradability No data available.
- 12.3** Bioaccumulative potential No data available.
- 12.4** Mobility in soil No data available.
- 12.5** Results of PBT & vPvB assessment Assessment not required.
- 12.6** Other adverse effects None known at present.

Section 13. Disposal Considerations

13.1 Waste treatment methods

| | |
|------------------------|--------------------------------------|
| Disposal Methods | Do not dispose of as domestic waste. |
| Contaminated Packaging | Wash out containers with water. |

Section 14. Transport Information

| | |
|--|----------------------------------|
| 14.1 UN Number | Non-restricted |
| 14.2 Proper Shipping Name | Non-restricted |
| 14.3 Transport classes | |
| UN classification | None |
| Subsidiary hazard(s) | None |
| Transport category | None |
| ADR Hazard ID | Non-restricted |
| Tunnel Restriction Code | Non-restricted |
| 14.4 Packing Group | None |
| 14.5 Environment hazards | See section 12. |
| 14.6 Special precautions for user | No special precautions required. |
| 14.7 Transport in bulk | Not transported in bulk. |

Section 15. Regulatory Information

15.1 Safety, health and environment regulations specific for substance/mixture.

Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification Serious eye damage/irritation, category 2

Signal word Warning

Hazard Pictograms



Hazard Statements H319
Causes serious eye irritation.

Precautionary Statements P264, P280, P305+P351+P338, P337+P313
Wash thoroughly after handling. Wear protective gloves / protective clothing / eye protection / face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. If eye irritation persists: Get medical advice/attention.

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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