

SAFETY DATA SHEET

Calcium Chloride Flake

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Issued: 09/11/2011
Revision No: 1

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name: CALCIUM CHLORIDE FLAKE
Datasheet Number: CALCIUM CHLORIDE FLAKE 1. 0. 0
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2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:
Eye Irrit. 2

2.2 Label elements:



Signal Word: Warning

Hazard phrases: Causes serious eye irritation.

Precautionary Phrases:

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. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Calcium Chloride	99 - 100%	10043-52-4	233-140-8	R36	Xi

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4. FIRST AID MEASURES

4.1 Descriptions of first aid measures:

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if symptoms persist.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Seek medical attention if irritation persists.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Seek immediate medical attention.

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

Causes severe eye irritation.

4.3 Indications of immediate medical attention and special treatment needed:

Treat symptomatically and supportively.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media:

Appropriate for surround fire.

5.2 Special hazards arising from the substance or mixture:

In case of fire, toxic gases may be formed.

5.3 Advice for fire fighters:

Wear chemical protection suit and positive-pressure breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid raising dust.

Ensure adequate ventilation of the working area.

Wear suitable protective equipment.

6.2 Environmental Precautions:

Do not allow product to enter drains.

Prevent further spillage if safe.

6.3 Methods and material for containment and cleaning up:

Sweep up.

Transfer to suitable, labelled containers for disposal.

Clean spillage area thoroughly with plenty of water.

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7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Avoid contact with eyes and skin.

Ensure adequate ventilation of the working area.

Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2 Conditions for safe storage, including any incompatibilities:

Keep in a cool, dry, well-ventilated area.

Keep containers tightly closed.

Store in correctly labelled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

Engineering measures: Ensure adequate ventilation of the working area.

Respiratory protection: Wear: Suitable respiratory equipment.

Hand Protection: Chemical resistant gloves (PVC).

Eye Protection: Approved safety goggles.

Protective equipment: Wear chemical protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Description: Flake.

Colour: White.

Odour: Odourless.

pH: 9 - 10.5

Boiling point: >1600°C

Relative density: 0.8 - 0.9 kg/dm³

Water solubility: 783 g/l

Melting point: 772°C

10. STABILITY AND REACTIVITY

10.1 Reactivity: No hazardous reactions if stored and handled as indicated.

10.2 Chemical stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions:

Caution: Substance not yet fully tested

10.4 Conditions to avoid: Keep away from heat and moisture

10.5 Incompatible materials: Zinc

Dissolves violently in water liberating heat.

10.6 Hazardous Decomposition Products:

Decomposition products may include hydrogen chloride

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11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Corrosivity:	Irritating to eyes, respiratory system and skin.
Reproductive toxicity:	No teratogenicity effects reported.
Carcinogenicity:	Carcinogenic effects: No carcinogenic effects reported.
Mutagenicity:	Mutagenic effects: No mutagenic effects reported.

12. ECOLOGICAL INFORMATION

12.1 Toxicity: EC50 (Daphnia magna) 144 mg/l (48 hr)

12.2 Persistence and degradability: Will disperse as ions.

12.3 Bioaccumulation Potential: Not expected to bioaccumulate.

12.4 Mobility in soil: Soluble in water.

12.5 Results of PBT and vPvB assessment.

12.6 Other Adverse Effects.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

General information: Dispose of in compliance with all local and national regulations.

14. TRANSPORT INFORMATION

14.1 UN Number

14.2 UN Proper Shipping Name

14.3 Transport hazard class(es)

14.4 Packing group

14.5 Environmental hazards

14.6 Special precautions for user

The product is not classified as dangerous for carriage.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Other information

Emergency Action Code

Proper Shipping Name: EAC:

ADR / RID

IMDG / IMO

IATA / ICAO

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15. REGULATORY INFORMATION

Hazard symbols:

No significant hazard.

Note:

The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Text of R and S phrase codes used in this safety data sheet:- R36: Irritating to eyes.

Legal disclaimer:

The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.