



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : C 10729  
Product Name : CALCIUM CHLORIDE FUSED

Manufacturer/supplier identification  
Company : NICE Chemicals (P) Ltd., Cochin, India  
Tel - 0484 2800212, 2802755

Contact for information : Tel. No.- 0484 2802536 Fax : 0484 2802483  
Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Lime, Caustic; Quicklime  
CAS-No : 10035-04-8  
Ec-Index No. : 017-013-00-2  
Molar Mass : 147.02  
EC-No. : 233-140-8  
Molecular Formula :  $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$

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3. HAZARDS INDEX : Irritating to eyes.

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## 4. FIRST AID MEASURES

After swallowing : Consult doctor if feeling unwell.  
After inhalation : Fresh air.  
After skin contact : Wash off with plenty of water.  
Remove contaminated clothing.



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After eye contact : Rinse out with plenty of water with the eyelid held wide open. Summon eye specialist.

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### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : In adaption to materials stored in the immediate neighbourhood.

Special risks : Development of hazardous combustion gases or vapours possible in the event of fire.

The following may develop in event of fire : hydrochloric acid, chlorine.

Special protective equipment for fire fighting : Do not stay in dangerous zone without suitable chemical protection clothing and self contaminated breathing apparatus.

Other information: Non-combustible. Contain escaping vapours with water.

Prevent fire-fighting water from entering surface water or groundwater.

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### 6. ACCIDENTAL RELEASE MEASURES

Person related precautionary measures : Avoid generation of dusts; do not inhale dusts. Avoid substance contact.

Procedures for cleaning/absorption : Take up dry. Forward for disposal.  
Clean up affected area.

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### 7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Tightly closed. Dry.

Storage temperature : No restrictions.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection : Required when dusts are generated.

Eye Protection : Required

Hand Protection : Required

Protective clothing should be selected specifically for the working place, depending on concentration & quantity of the hazardous substances handled.

The resistance of the protective clothing chemicals should be ascertained with the respective supplier.

Industrial hygiene : Change contaminated clothing. Application of skin-protective barrier cream recommended. Wash hands after working with substance.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Solid

Colour : White

Odour : Odourless

pH value at 100 g/l H<sub>2</sub>O (20°C) : ~4.5 - 6.5

Melting temperature : ~176 °C

Boiling temperature : Not available

Ignition temperature : Not available



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Flash Point : Not applicable  
Explosion limit lower : Not available  
upper : Not available  
Relative vapour density : Not available  
Density (20 o C) : 1.85 g/cm<sup>3</sup>  
Solubility in Water (0 o C) : ~1000 g/l  
Ethanol (25 o C) : Soluble

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### 11. STABILITY & REACTIVITY

Conditions to be avoided : Moisture.  
Substances to be avoided : Vinyl methyl ether  
Hazardous decomposition products : In the event of fire :  
Hydrochloric Acid, Chlorine.  
Further Information : Hygroscopic

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### 11. TOXICOLOGICAL INFORMATION

Acute toxicity : LD<sub>50</sub> (oral, rat) : 1000 mg/kg (anhydrous substance).  
Further toxicological information :  
After inhalation of dust : Irritation symptoms in the respiratory tract.  
After skin contact : Local irritation symptoms.  
After eye contact : Irritations.  
After swallowing of large amounts : gastrointestinal complaints.  
  
Further data : The product should be handled with the care usual when  
dealing with chemicals.

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### **12. ECOLOGICAL INFORMATION**

Ecotoxic effects : Increase the hardness of water. A harmful effect of aquatic organisms is only to be expected at high concentrations.

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### **13. DISPOSAL METHOD**

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the later is regulated in the EC member countries through corresponding laws & regulations. We recommend that you contact either the authorities in-charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

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**14. TRANSPORT INFORMATION** : Not subject to transport regulations.

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### **15. REGULATORY INFORMATION :**

Labelling according to EC Directives

Symbol : Xi Irritant

R-phrases : 36 Irritating to eyes

S-phrases : 22-24 Do not breathe dust. Avoid contact with skin.

EC-No. : 233-140-8 Ec label

Water pollution class : 0 (generally nonpolluting substance)

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### 16. OTHER INFORMATION :

Reason for alteration

General update.

The information contained herein is based on the present state of our knowledge.

It characterises the product with regard to the appropriate safety precautions.

It does not represent a guarantee of the properties of the product.

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