



# SAFETY DATA SHEET

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

Catalogue No. : C 11029  
Product Name : CALCIUM OXIDE

### 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 Telefax No. : 0484 2802483

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Lime, Caustic; Quicklime  
CAS-No : 1305-78-8  
Ec-Index No. : ---  
Molar Mass : 56.08  
EC-No. : 215-138-9  
Molecular Formula : CaO

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**3. HAZARDS INDEX** : Risk of serious damage to eyes.

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## 4. FIRST AID MEASURES

After swallowing (large amounts): Consult doctor if feeling unwell.

After inhalation : Fresh air.

After skin contact : Wash off with running water.



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After eye contact : Rinse out with plenty of water. If pain persists, 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 : None

Other information : Non-combustible. Prevent fire-fighting water from entering surface water or groundwater.

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### **6. ACCIDENTAL RELEASE MEASURES**

Person related precautionary measures : Avoid inhalation of dusts.

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### **7. HANDLING AND STORAGE**

Handling : No further requirements.

Storage : Tightly closed. Dry. In a well ventilated place.

At +15° C to +25° C. Do not use light-weight-metal containers.

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### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory protection : Required when dusts are generated.

Eye Protection : Required

Hand Protection : Required

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

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Solid  
Colour : White  
Odour : Odourless  
pH value at 50g/l H<sub>2</sub> O (20 ° C) : 12.6  
Melting temperature : Near 2600 ° C  
Boiling temperature : 2850 ° C  
Ignition temperature : Not available  
Flash Point : Not applicable  
Explosion limit lower : Not available  
                  upper : Not available  
Relative vapour density : Not available  
Density (20 ° C) : ~3.37 gm/cm<sup>3</sup>  
Solubility in Water (20 ° C) : Almost insoluble  
                  Glycerol : Soluble  
                  Dilute Acids : Soluble

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### 10. STABILITY & REACTIVITY

Conditions to be avoided : No information available

Substances to be avoided : acids; halogen-halogen compounds; alcohols,  
                                  hydrogen halides, light metals, water.

Hazardous decomposition products : No information available

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### 11. TOXICOLOGICAL INFORMATION

Acute toxicity : Quantitative data on the toxicity of this product are not available.

Further toxicological information :

After inhalation of dusts : Possible damages : mucosal Irritations.

After skin contact : In case of perspiration/moisture corrosive.

After eye contact : Severe irritations. Risk of corneal clouding. Risk of blindness!

After swallowing : Irritations of gastro intestinal tract.

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### 12. ECOLOGICAL INFORMATION

Ecotoxic effects : Quantitative data on the ecological effect of this product are not available.

Further ecologic data :

A harmful effect on aquatic organisms cannot be excluded in the event of improper handling or disposal. Harmful effect due to Ph shift.

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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.



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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

Transport over land

ADR/RID and GGVS/GGVE : GGVS/GGVE class : --- Number and letter : ---  
ADR/RID class : --- Number and letter : ---  
Name of material : CALCIUM OXIDE

Sea Transport IMDG : IMDG class : --- UN No. : --- Packing group : ---  
Ems : --- MFAG : ---  
Correct Technical Name : CALCIUM OXIDE

Air Transport ICAO-TI

and IATA-DGR : ICAO/IATA class : 8 UN No. : 1910  
Packaging group : III  
Correct Technical Name : CALCIUM OXIDE

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### 15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : Xi Irritant  
R-phrases : 41 Risk of serious damage to eyes.  
S-phrases : 22-24-26-39



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Do not breathe dust. Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and I seek medical advice. Wear eye/face protection.

Water pollution class : 1 (slightly polluting substance)

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### 16. OTHER INFORMATION

Reason for alteration

Change in the chapter on toxicology.

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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