



## SAFETY DATA SHEET

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

Catalogue No. : B 22029  
Product Name : BLEACHING POWDER

#### 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 : Calcium hypochlorite.  
CAS-No : 7778-54-3  
EC Index No. : 117-012-00-7  
Molar mass : 142.98  
Molecular Formula :  $\text{CaCl}_2\text{O}_2$   
EC –No. : 231-908-7

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### 3. HAZARDS IDENTIFICATION

Contact with combustible material may cause fire. Contact with acids liberates toxic gas .  
Causes burns.

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### 4. FIRST AID MEASURES

After skin contact : Wash off with plenty of water . Dab with polyethylene glycol 400. Immediately remove contaminated clothing.



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After eye contact : Rinse out with plenty of water for at least 10 minutes with the eyelid held wide open. Immediately summon eye specialist.

After inhalation : fresh air. Summon doctor.

After swallowing : Make victim drink plenty of water (if necessary several litres), avoid vomiting (risk of perforation !). Immediately summon doctor. Do not attempt to neutralize.

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### **5. FIRE – FIGHTING MEASURES**

Suitable extinguishing media : Powder.

Extinguishing media not to be used : Water, foam.

Special risks : Fire – promoting .Keep away from combustible materials . Development of hazardous combustion gases or vapours possible in the event of fire. The following may develop in event of fire: Chlorine, hydrochloric acid ,chlorine oxides. Caution ! in contact with water product releases: chlorine.

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

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

Person –related precautionary measures: Avoid generation of dusts:do not inhale dusts. Avoid substance contact. Ensure supply of fresh air in enclosed rooms.

Environmental- protection measures: Do not allow to enter sewerage system.

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

Clean up affected area . Avoid generation of dusts.

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### 7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Separately or together with other oxidising substances only and away from sources of ignition and heat. At +15°C to + 25°C.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : Require when dusts are generated.

Eye protection : Required

Hand protection : Required

Protective clothing should be selected specifically for the working place. Depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Industrial hygiene : Immediately change contaminated clothing. Apply skin-protective barrier cream. Wash hands after working with substance. Under no circumstances eat or drink at workplace . Work under hood. Do not inhale substance.

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### 9. PHYSICAL & CHEMICAL PROPERTIES

Form	:	Tablets
Colour	:	Off-white
Odour	:	Of chlorine
PH value	:	Not available
Melting temperature	:	100 ° C



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Boiling temperature : Not available  
Ignition temperature : Not available  
Flash point : Not available  
Explosion limits lower : Not available  
Upper : Not available  
Relative vapour density : Not available  
Density (20°C) : 2.35 g/cm<sup>3</sup>  
Solubility in water (20°C) : 200 g/l(decomposition)

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### **10. STABILITY AND REACTIVITY**

Conditions to be avoided : Heat.  
Substance to be avoided : Organic substances, acids, water.  
Hazardous decomposition products : Chlorine.

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### **11. TOXICOLOGICAL INFORMATION**

Acute toxicity: LD<sub>50</sub> (oral, rat): 850 mg/kg.

Further toxicological information :

After inhalation of dust: burns of mucous membranes.

After skin contact : Burns.

After eye contact : Burns.

After swallowing : Burns in mouth, throat, oesophagus  
and gastrointestinal tract.

Further data: The product should be handled with the care usual when dealing with chemicals.

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### 12. ECOLOGICAL INFORMATION

Ecotoxic effects: Algae EC<sub>50</sub> : 2mg/l/72h.

Further ecologic data : Do not allow to enter waters, waste water, or soil !

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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 latter is regulated in the EC member countries through corresponding laws and 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 as 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 GGVs/GGVE class : 5.1 Number and letter : 15b

ADR/RID & GGVs/GGVE ADR/RID class : 5.1 Number and letter : 15b

Name of material : CALCIUMHYPOCHLORITE ,TROCKEN

River transport AND/ADNR : Not examined

Sea transport IMDG

IMDG class : 5.1 UN-NO.: 1748 Packaging group : 11

Ems : 5.1-06 MFAG : 741



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Correct technical name : CALCIUM HYPOCHLORITE ,DRY

Air transport ICAO-TI and IATA-DGR

ICAO/IATA : 5.1 UN/ID-No.: 1748 Packaging group : 11

Correct technical name : CALCIUMHYPOCHLORITE MIXTURES, DRY.

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### 15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : O Oxidizing.  
C Corrosive

R- Phrases : 8-31-34

Contact with combustible material may cause fire.Contact with acids liberates toxic gas.Causes burns.

S-phrases : 26-43-45

In case of contact with eyes,rinse immediately with plenty of water and seek medical advice.

In case of fire , use water or powder extinguisher . In case of accident or if you feel unwell, seek medical adviceimmediately(show the label where possible).

EC-No. : 231-908-7 EC label

Water pollution class : 2 ( polluting substance) (own classification)

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### 16. OTHER INFORMATION

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

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

It doesnot represent a guarantee of the properties of the product.

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