

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

Catalogue No : C 10515

Product Name : Calcium bromide hydrate

Manufacture / Supplier Identification Company : **Nice Chemicals (P) Ltd.**,
PB No: 2217, Manimala Road, Edappally,
Kochi - 682 024, Kerala, India.

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2 COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms :

CAS - No : 7789-41-5

Molar Mass :

Molecular weight : 199.89 g/mol

Molecular Formula : Br₂Ca . xH₂O

EC - INDEX No :

EC - No : 232-164-6

3 HAZARDS IDENTIFICATION**Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 : Eye irritation (Category 2), H319
For the full text of the H-Statements mentioned in
this Section, see Section 16

Classification according to EU Directives 67/548/EEC or
1999/45/EC : Xi Irritant R36
For the full text of the R-phrases mentioned in this
Section, see Section 16.

Label Elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram : 

Signal word : Warning

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Hazard statement(s)

H319 : Causes serious eye irritation.

Precautionary statement(s)

P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Other Hazards : No data available

4 FIRST AID MEASURES

General advice : Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact : Wash off with soap and plenty of water. Consult a physician.

In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most Important symptoms and effects, both acute and delayed : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed : No data available

5 FIRE - FIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture : Hydrogen bromide gas, Calcium oxide

Advice for firefighters : Wear self contained breathing apparatus for fire fighting if necessary.

Further Information : No data available

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6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. : Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

Environmental-protection : Do not let product enter drains.

Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections : For disposal see section 13.

7 HANDLING AND STORAGE

Precautions for safe handling : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Specific end users : No data available

8 EXPOSURE CONTROLS / PERSONAL PROTECTION**Control parameter****Components with workplace control parameters****Exposure Controls**

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

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The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection : impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection : For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance : **Form** : Powder
Colour : White

Odour : No data available

Odour Threshold : No data available

pH : 5,0 at 50 g/l at 20 °C

Melting Point/Freezing point : 730 °C

Initial Boiling point and boiling range : No data available

Flash Point : Not applicable

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper/lower flammability or explosive limits : No data available

Vapour Pressure : No data available

Vapour Density : No data available

Relative density : No data available

Water solubility : Soluble

Partition coefficient: noctanol/water : No data available

Autoignition temperature : No data available

Viscosity : No data available

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Explosive properties : No data available

Oxidizing properties : No data available

Decomposition temperature : No data available

Other Safety information

Bulk Density : 1.020 kg/m³

10 STABILITY AND REACTIVITY

Reactivity : No data available

Chemical stability : Stable under recommended storage conditions.

Conditions to be avoided : No data available

hazardous decomposition products : Other decomposition products - no data available

Possibility of hazardous reactions : No data available

incompatible materials : Strong oxidizing agents

11 TOXICOLOGICAL INFORMATION

Acute Toxicity : No data available

Skin corrosion/irritation : No data available

Serious eye damage/eye irritation : No data available

Respiratory or skin sensitization : No data available

Germ cell mutagenicity : May cause sensitization by skin contact.

Carcinogenicity : IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity : No data available

Specific target organ toxicity - single exposure : No data available

Specific target organ toxicity - repeated exposure : No data available

Aspiration hazard : No data available

Potential health effects : No data available

Additional Information : RTECS: Not available

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12 ECOLOGICAL INFORMATION

Toxicity : No data available
 Persistence and degradability : No data available
 Bioaccumulative potential : No data available
 Mobility in soil : No data available
 Results of PBT and vPvB assessment : PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
 Other adverse effects : No data available

13 DISPOSAL METHOD

Waste treatment methods

Product : Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
 Contaminated packaging : Dispose of as unused product.

14 TRANSPORT INFORMATION

UN number : ADR/RID: -
 : IMDG: -
 : IATA: -
 UN Proper shipping name : ADR/RID: Not dangerous goods
 : IMDG: Not dangerous goods
 : IATA: Not dangerous goods
 Transport hazard class(es) : ADR/RID: -
 : IMDG: -
 : IATA:-
 Packaging group : ADR/RID:
 : IMDG:
 : IATA:
 Environmental group : ADR/RID: - no
 : IMDGMarine pollutant: no
 : IATA: -no

15 REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture : No data available

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Chemical safety assessment : For this product a chemical safety assessment was not carried out

16 OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Eye Irrit. : Eye irritation

H319 : Causes serious eye irritation.

Full text of R-phrases referred to under sections 2 and 3

Xi : Irritant

R36 : Irritating to eyes.

Further Information

The information contained here in is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precaution. It does not represent a guarantee of the properties of the product.