

Safety Data Sheet

1 Identification of the substance and the company

Description:

Product name: Sodium Chloride Optical Crystal

Trade names/synonyms: NaCl, Rock Salt

Application:

Optical Crystal Material for Optical components.

Company identifier:

Hilger Crystals

Unit R1 Westwood Estate Margate Kent CT9 4JL UK

Tel.: +44 (0) 1843 231166 email Sales@hilger-crystals.co.uk

Web: www.hilger-crystals.co.uk

Emergency information:

Contact as above (Mon-Thurs 8.00 – 17.00, Fri 8.00- 12:00)

In the event of a medical enquiry please contact your local doctor or hospital A&E department.

2 Hazards Identification

Classification of the substance:

No Hazardous Product as specified in Directive 67/548/EEC.

Label elements:

Precautionary statements

P262 - Avoid breathing dust/fume/gas/mist/vapours/spray

Other hazards:

None

| Component Name | CAS number | % | EC number | EU index | UN number |
|-----------------|------------|------|-----------|------------|------------|
| Sodium Chloride | 7467-14-5 | 100% | 231-598-3 | Not Listed | Not Listed |

3 First-aid measures

Description of first-aid measures:

General: Consult a doctor for specific advice.

Eyes: Irrigate thoroughly with water for at least 15 minutes. Obtain medical attention if discomfort persists.

Skin: Wash thoroughly with soap and water. Dry area with clean towel.

Inhalation: Remove to fresh air. Obtain medical attention.

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Ingestion: Wash out mouth thoroughly with water. Obtain Medical Attention in severe cases.

Most important symptoms and effects, both acute and delayed: Refer to Label elements above and to toxicological information.

Indication of any immediate medical attention and special treatment required: No Data.

4 Firefighting measures

Extinguishing media:

This product does not burn.

Special hazards arising from the substance:

None expected.

Advice for firefighters:

Use breathing apparatus if necessary.

5 Accidental release measures

Emergency procedures, personal precautions and protective equipment:

None

Environmental precautions:

Prevent further leakage or spillage.

Methods and materials for the containment and cleaning up:

Dispose of as normal waste.

6 Handling & storage

Precautions for safe handling:

Protect against physical damage. Avoid generating dust.

Conditions for safe storage including any incompatibilities:

No specific precautions required.

Specific application:

Optical crystal material for optical components.

7 Exposure controls/personal protection

Control parameters:

None assigned

Exposure controls:

Protective PVA gloves and the use of a laboratory coat is suggested. Safety goggles or safety glasses with side shields are required if there is any possibility of chipping or dust creation. Respirators must be worn when the threshold limit is exceeded.

Provide adequate general mechanical ventilation, and local exhaust ventilation. Wash hands immediately after handling the product.

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8 Physical & chemical properties

Information on basic physical and chemical properties

Appearance: Clear, no odour.

Flash point: Not Applicable

Boiling point: 1461°C

Flammability: Not Applicable

Melting point: 800°C

Explosive properties: Not Applicable

Specific gravity: 2.17g/mL

Vapour pressure: Negligible at 25°C

Solubility in water: Very soluble, 35.7g/100g water at 0°C

pH in aqueous solution: Not determined

Other safety information: None

9 Stability & reactivity

Reactivity: Slow reaction with mineral acids.

Chemical stability: Stable under normal conditions of storage and use.

Possibility of hazardous reactions: None known

Conditions to avoid: Avoid strong acids.

Incompatible materials: Strong mineral acids.

Hazardous decomposition products: None known.

10 Toxicological information

Information on toxicological effects:

Care must be exercised when machining and creating dust or particles. Inhalation of dust may irritate respiratory system.

Animal experiments have shown that lungaveolitis may occur after subacute high exposure (50mg/m³) to dust. No toxicological effects were observed after 4 weeks subacute exposure at 10mg/m³.

Carcinogenicity:

No evidence of carcinogenic properties.

Mutagenicity/teratogenicity:

No evidence of reproductive effects.

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11 Ecological information

Toxicity: No Data

12 Disposal considerations

Waste treatment methods:

Chemical residues are generally classified as special waste and are covered by regulations which vary according to location. Contact your local waste disposal authority for advice or pass to a chemical disposal company.

13 Transport information

UN Number: None

UN Proper shipping name: Not a Hazardous Material for transportation

Transport hazard class: None

Packing group: None

Environmental hazards: None

Special user precautions: None

Transport in bulk Marpol / IBC: No Data

14 Regulatory information

Safety, health and environmental regulations/legislation for the substance: TSCA:
Listed in the TSCA inventory

15 Other information

Revision date: October 2022

The above information is believed to be true and correct and is supplied as a guide for information only, it does not purport to be all inclusive.