

Material Safety Data Sheet

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1. Identification of the Substance and Company

PRODUCT NAME: SALT

Company details:

NGS
Head Office
Rushington Business Park
Chapel Lane
Southampton
SO14 0ER
TEL: 0845 604 5459

Emergency Phone Number: IN AN EMERGENCY DIAL 999

Use of Substance / Preparation: Chemical manufacture, food industry, water treatment, highways de-icing

2. Composition

PRODUCT DESCRIPTION: Granular, Pure Dried Vacuum and Undried Vacuum, Granular Tablets
Salt Blocks, Pure Dried, Pure Dried Evaporated

Alternative Names: Sodium Chloride, Common Salt, Evaporated Salt

CAS Number: 7674-14-5

EINECS Number: 231 598 3

HAZARDOUS INGREDIENT(S) Contains no Hazardous Ingredients in accordance with EC Regulation 1272/2008. Hazards Identification

3. First Aid Measures

Inhalation: Remove patient from exposure.

Skin Contact: Wash skin with water. eyelids

Eye Contact: Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. If symptoms develop, obtain medical attention.

Ingestion: Wash out mouth with water and give 200-300ml (half a pint) of water to drink. Obtain medical attention if ill-effects occur.

Further Medical Treatment: Symptomatic treatment and supportive therapy as indicated.

4. Fire Fighting Measures

Non-combustible

Extinguishing Media: As appropriate for surrounding fire.

Fire Fighting Protective Equipment: No special requirements.

5. Accidental Release Measures

- Clear up spillages.
- Transfer to a container for disposal.
- Wash the spillage area with water.
- Spillages or uncontrolled discharges into water courses, drains or sewers must be IMMEDIATELY alerted to the Environment Agency or other appropriate regulatory body

6. Handling and Storage

HANDLING

Avoid contact with eyes. Avoid prolonged skin contact. Atmospheric levels should be controlled in compliance with the occupational exposure limit for dust. Keep away from strong acids and common metals. Static electricity can be generated by pneumatic conveying, therefore pipes should be bonded and earthed, especially where a spark could prove hazardous.

STORAGE

Keep away from concentrated acids. White salt can be stored outside. Care should be taken to avoid excessive run-off into water or onto vegetation

7. Personal Protection and Exposure Controls

Not believed to present a significant hazard to health.

SAFETY PHRASES

S26

S36

Wear suitable protective clothing, gloves and eye/face protection. An approved dust mask should be worn if exposure to levels above the occupational exposure limit is likely.

Occupational Exposure Standard (UK HSE Guidance Note EH40)

Time Weighted Average mg/m³(ppm)

Dust (Total Inhalable Dust) 10

Dust (Respirable Dust) 4

8. Physical and Chemical Properties

Form crystals

Colour colourless

Odour odourless

Boiling Point (Deg C) 1413

Melting Point (Deg C) 802

Density (g/ml) up to 2.165 at 20 Deg C

Solubility (Water) freely soluble

Bulk Density (g/ml) 1.2 to 1.5 approximately (except tablets and blocks)

Additional properties Granular grade: rounded crystals 1-3mm in size.

Pure Dried Vacuum grade: free running cubic crystals mostly 0.2-0.6mm in size.

Tablets: 24x24x13 mm Blocks: 28x8x9 cm

9. Stability and Reactivity

Stable. Incompatible with strong oxidizing agents

Hazardous Reactions

Reaction with concentrated acid will produce hydrogen chloride.

Under wet conditions, will corrode many common metals, particularly iron, aluminium and zinc.

10. Toxicological

Inhalation: High concentrations of dust may be irritant to the respiratory tract.

Skin Contact: Will remove the natural greases resulting in dryness, cracking and possibly dermatitis. Repeated and /or prolonged skin contact may cause irritation.

Eye Contact: Dust may cause irritation.

Ingestion: May cause vomiting and diarrhoea. The swallowing of small amounts is unlikely to cause any adverse effects.

Long Term Exposure: Repeated ingestion of excessive amounts may cause disturbance of body electrolyte and fluid balance.

TOXICOLOGY DATA

ORL-RAT LD50 3000 mg kg-1

ORL-MAN LDLO 1000 mg kg-1

ORL-MUS LD50 4000 mg kg-1

IPR-MUS LD50 2602 mg kg-1

ICV-MUS LD50 131 mg kg-1

SKN-RBT LD50 > 10000 mg kg-1

IRRITATION DATA

SKN-RBT 50 mg/24h mld

RISK PHRASES

R36

11. Ecological Information

Environmental Fate and Distribution

High tonnage material used in open systems. Solid with low volatility. The product is soluble in water. The product has no potential for

bioaccumulation. The product is predicted to have high mobility in soil.

Persistence and Degradation

No data.

Toxicity

Low toxicity to aquatic organisms.

Effect on Effluent Treatment

Adverse effects would not be expected.

12. Disposal Considerations

Disposal should be in accordance with local, national and European Community legislation

13. Transport Information

Not classified as dangerous for transport

14. Regulatory Information

Not classified as dangerous for supply or use

15. Other Information

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