

Safety Data Sheet

Hydrosoft Granular Salt

1. Identification of the substance/mixture and the company/undertaking

Details of supplier of the safety data sheet

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Relevant identified

uses of the substance: Chemical manufacture, food industry, animal feed industry, water treatment, highways deicing

Uses advised against: No uses advised against have been identified

2. Hazard Identification

EC Classification: Not classified According to Regulation (EC) No 1272/2008 (CLP)

Hazards: Unlikely to cause harmful effects under normal conditions of handling and use

3. Composition/information on ingredients

Product description: Granular. Pure Dried Vacuum and Undried Vacuum. hydrosoft™ Granular and hydrosoft™ Tablets. Microfine. hydrosoft™ Salt Blocks. Pavement De-icing Quality (PDQ)

Alternative names: Sodium Chloride, Common Salt, Evaporated Salt

CAS No: 007647-14-5

EC No: 231-598-3

Hazardous Ingredients: Contains no Hazardous Ingredients in accordance with EC Regulation 1272/2008.

4. First aid Measures

Inhalation

Remove patient from exposure.

Skin Contact

Wash skin with water.

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 200-300 ml (half a pint) of water to drink.
Obtain medical attention if ill effects occur.

Further Medical Treatment

Symptomatic treatment and supportive therapy as indicated.

5. Fire fighting measures

Non-combustible.

Extinguishing Media: As appropriate for surrounding materials/equipment.

Hazardous Decomposition Product(s)

Fire Fighting Protective Equipment: No special requirements.

6. Accidental release measure

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

7. Handling and storage

7.1 HANDLING

Avoid prolonged skin contact. Atmospheric levels should be controlled in compliance with the occupational exposure limit. 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.

7.2 STORAGE

Keep container dry. Keep away from strong acids.

8. Exposure and controls/personal protection

Wear suitable protective clothing and eye/face protection. An approved dust mask should be worn if exposure to high levels of material are likely.

8.1 Occupational Exposure Limits

Workplace Exposure Limits (UK HSE EH40)
Long Term Exposure Limit (8hr time weighted average)

Total Inhalable Dust: 10 mg/m³

Respirable Dust: 4 mg/m³

9. Physical and Chemical Properties

These properties are the most relevant and no other properties are available.

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

10. Stability and reactivity

Hazardous Reactions Reaction with concentrated acid will produce hydrogen chloride.
Under wet conditions, will corrode many common metals, particularly iron, aluminium and zinc.

11. Toxicological information

Inhalation

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

Skin Contact

Repeated or prolonged contact may result in dryness leading to mild 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.

12. 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.

13. Disposal consideration

Disposal should be in accordance with local, state or national legislation.

14. Transport information

Not classified as dangerous for transport.

15. Regulatory information

Not Classified as Dangerous for Supply/Use.

Name of Substance or

Preparation: SALT

UK Control Regulations Control of Substances Hazardous to Health Regulations (COSHH)
2002 SI 2002/2677 and COSHH Essentials: Easy steps to control chemicals -
Control of Substances Hazardous to Health Regulations HSG193.

16. Other information

The information supplied in this safety data sheet is designed only as guidance for the safe use, storage and handling of the product. The information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.