



Chemical Safety Data Sheet

Product Name
Fine Grade De-Icer

Date
NOV 2005

Page
1 of 3

1. Product Description

Alternative Names: Sodium Chloride, Common Salt, Evaporated Salt
CAS Number: 007647 14 5
EINECS Number: 231 598 3
Hazardous Ingredients: Contains no Hazardous Ingredients in accordance with EC Directive 93/112/EEC.

2. Hazards Identification.

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

3. 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 200-300ml (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.
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 watercourses, drains or sewers must be IMMEDIATELY alerted to the Environment Agency or other appropriate regulatory body.

6. Handling and Storage.

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.

Storage: Keep container dry. Keep away from strong acids.

7. Exposure Control/Personal Protection.

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

Occupational Exposure Standard

	Long Term Exposure Limit (8hr time weighted average)
Total Inhalable Dust	10 mg/m ³
Respirable Dust	4 mg/m ³ (UK HSE Guidance Note EH40)

8. Physical and Chemical Properties.

Form: Free running cubic crystals mostly 0.2-0.6mm in size.

Colour: Colourless.

Odour: Odourless.

Boiling Point (Deg C): 1413

Melting Point (Deg C): 802

Density of Sodium Chloride (g/ml): up to 2.165 at 20 Deg C.

Bulk Density (g/ml): 1.2 to 1.5 approx.

Solubility (Water): freely soluble.

9. Stability and Reactivity.

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

10. Toxicological Information.

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.

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.

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, state or national legislation.

14. Transport Considerations.

Not classified as Dangerous for Transport

15. Regulatory Information.

Not classified as Dangerous for Supply/Use

16. Other Information:

Uses: Chemical Manufacture, Water Treatment etc.

This data sheet was prepared in accordance with Directive 93/112/EC

Information in this publication is believed to be accurate and is given in good faith but the Customer should ensure the suitability for any particular purpose. Accordingly we give no warranty as to the fitness of the Product for any use and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that such exclusion is prevented by law. Freedom under Patent, Copyright, and Designs cannot be assumed.

This Data sheet was revised November 2005.