



10 Wandle Way, Willow Lane Trading Estate,
Mitcham, Surrey CR4 4NB
Tel: 020-8640 9221 Fax: 020-8648 5033
Email: sales@bdclays.co.uk

MATERIAL SAFETY DATA SHEET

SALT (ALL GRADES)

- 1.0 IDENTIFICATION:- SODIUM CHLORIDE
- 1.1 Supplier: B & D CLAYS & CHEMICALS LTD
10 Wandle Way,
Willow Lane Industrial Estate
Mitcham, Surrey, CR4 4NB
Tel: 020-8640-9221 Fax: 020-8648-5033
- 2.0 Product Description: CAS No: 007647-14-5
Form: Crystalline solid
Colour: Colourless
Odour: Odourless
- 3.0 Summary: Unlikely to cause harmful effects under normal conditions of handling and use.

Occupational Exposure Limits

UK EH40: OES
As total dust, 10mg/m³ (8hr TWA)
As respirable dust, 5mg/m³ (8hr TWA)

MSDS SALT (ALL GRADES)

4.0 Physical Chemical Data:	Boiling Point (Deg C):	1413
	Melting Point (Deg C):	802
	Density (g/ml):	2165 at 20 Deg C
	Vapour Pressure (mm Hg):	2.4 at 747 Deg C
	Solubility (water):	readily soluble

5.0 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.

6.0 STORAGE: Keep container dry. Keep away from concentrated acids. Keep away from valued vegetation.

7.0 HANDLING: Avoid prolonged skin contact. Avoid inhalation of high concentrations of dusts. Keep away from concentrated 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.

8.0 PERSONAL PROTECTION: Wear suitable protective clothing.

9.0 SPILLAGE/ACCIDENTAL RELEASE: Clear up spillages. Transfer to a container for disposal. Alternatively, drench spillage with water and wash to drain.

10.0 WASTE DISPOSAL: Disposal should be in accordance with local, state or national legislation.

MSDS SALT (ALL GRADES)

Inhalation: Unlikely to be required but if necessary treat symptomatically.

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: Vomiting is likely. Wash out mouth with water and give 200-300ml (half a pint) of water to drink. Obtain medical attention especially if vomiting has not occurred.

Further Medical Treatment: Unlikely to be required but if necessary treat symptomatically.

12.0 FIRE AND EXPLOSION: Non-flammable. Will withstand temperatures upto its melting point and beyond without decomposing.

13.0 HEALTH HAZARD TOXICITY DATA:

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

Skin Contact: Dry salt and concentrated solutions will remove the natural greases from the skin resulting in dryness. repeated and/or prolonged contact may cause irritation.

Eye Contact: High concentrations may cause irritation.

Ingestion: The swallowing of small amounts is unlikely to cause any adverse effects. Excessive doses may result in irritation of the gastrointestinal tract leading to nausea, vomiting and diarrhoea.

Long Term Exposure: Chronic effects may result from the ingestion of excessive amounts of either salt or brine. ingestion of hypertonic solutions can cause disturbance of body electrolyte and fluid balance.

14.0 ENVIRONMENTAL INFORMATION:

96 hour	LC50	(Fish)	6750 mg/1
48 hour	EC50	(daphnia)	2024 mg/1
72 hour	IC50	(Algae)	3014 mg/1
Daphina Subacute			1062 mg/1
Fish Subacute			433 mg/1
Log POW			0
Bod 5 day			0
COD			0
Biodegradation			0
Levels of Degradation			
Organic Carbon			0
Oxygen Depletion			0
Carbon Dioxide Generation			0
Sediment			
Sorbtion			0
Desorbtion			0
Aerobic Soil Biodegradation			0
Earthworm Toxicity			1000/ug/cm²
Photodegradability			Infinite OH
Abiotic Degradability			
Photolysis			0
Hydrolysis			0
Oxidation			0

15.0 REGULATORY INFORMATION:

Users: Not classified as hazardous to users.

EEC Classification: Under the classification, Packaging and Labelling Of Dangerous Substances Regs. 1984, this material Is not dangerous for supply or conveyance.

Transport: Not classified as Hazardous for Transport.