TECHNICAL DATA SHEET

Product Ref: 982SALTT25 and 982SALT25 Water Softening Salt

1. **IDENTIFICATION: Sodium Chloride**
2. **PRODUCT DESCRIPTION**

Alternative Names
Salt (Various Grades)
Brine
Common Salt
Granular
Pure Dried Vacuum Salt (PDV)
Undried Vacuum Salt (UV)

CAS No.	007647-14-15
Form	crystalline solid
Colour	colourless
Odour	odourless

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

Occupational Exposure Limits

UK EH40	: OES	as total dust. 10mg/m^3 (8hr TWA) as respirable dust. 5mg/m^3 (8hr TWA)

4. PHYSICO 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. STABILITY/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. STORAGE
Keep container dry. Keep away from concentrated acids. Keep away from valued vegetation.

7. 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. PERSONAL PROTECTION

Wear suitable protective clothing.

9. SPILLAGE/ACCIDENTAL RELEASE

Clear up spillages. Transfer to a container for disposal. Alternatively, drench spillage with water and wash to drain.

10. WASTE DISPOSAL

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

11. FIRST AID MEASURES

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. FIRE AND EXPLOSION

Non-flammable. Will withstand temperatures up to its melting point and beyond without decomposing.

13. 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. ENVIRONMENTAL INFORMATION

96hour	LC50	(Fish)	6750 mg/l
48hour	EC50	(Daphnia)	2024 mg/l
72hour	IC50	(Algae)	3014 mg/l
Daphnia Subacute			1062 mg/l
Fish Subacute			433 mg/l
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 Biodegration			0
Earthworm Toxicity			100/ug/cm^2
Photodegradability			Infinite OH
Abiotic Degradability			
Photolysis			0
Hydrolysis			0
Oxidation			0

15. REGULATORY INFORMATION

User

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