

# Corro-Salt™ : Health & Safety Data Sheet

## 1. Product Identification

Name: Salt (Sodium Chloride)

## 2. Composition

The composition by weight is 39.4% sodium and 60.6% chlorine. Pure sodium chloride is a colourless crystalline solid Pure Dried Vacuum, White Rock and Marine salt contains about 99% sodium chloride.

## 3. Hazard Identification

Salt is an essential constituent of the diet. It provides important body electrolytes and is the source of hydrochloric acid present in the gastric juices. The blood stream contains nearly 1% sodium chloride. In normal industrial use salt is not hazardous.

Inhalation: Very high concentration of salt dust may result in inflammation of the mucus membranes of the respiratory tract.

Ingestion: Acute and chronic toxic effects can result from the ingestion of excessive amounts of either salt or brine. Salt should not be used as an emetic to induce vomiting. High concentrations produce inflammatory reactions in the gastrointestinal tract and cause vomiting, diarrhoea, convulsions and collapse. Ingestion of hypertonic solutions can cause fatal disturbance of body electrolyte and fluid balance. Less than a table spoon of salt may severely poison an infant and sometimes prove fatal.

Skin Contact: Dry salt and concentrated solutions can cause withdrawal of fluid from the skin and may, on prolonged contact produce irritation

Eye Contact: Salt and salt solution are non toxic to the eye but concentrations much and above that of tears cause a stinging sensation

## 4. First Aid Measures

Inhalation: Remove to fresh air. Keep warm and at rest. Give drink if desired Get medical attention for any breathing difficulty.

Ingestion: Vomiting will probably occur. Providing the patient is conscious give plenty of liquid to drink. Obtain immediate medical attention especially if vomiting has not occurred.

Skin Contact: Wash exposed area with plenty of water. Get medical advice if irritation develops

Eye contact: Irrigate with eyewash or water. Get Medical attention if irritation persists.

## 5. Fire Fighting Measures

Not considered to be a fire hazard.

Not considered to be an explosion hazard.

Use any means suitable for extinguishing surrounding fire.

Salt withstands temperatures up to its melting point and beyond without decomposing, but at very high temperatures (Greater than 800°C ) a vapour is omitted which is particularly irritating to the eye

## 6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Sweep up and containerise for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Small amounts of residue may be flushed to sewer with plenty of water.

## 7. Handling & Storage

Keep in a tightly closed container, store in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warning and precautions listed for product.

## 8. Exposure Controls & Personal Protection

Airborne Exposure Limits:	None established
Ventilation:	In general good ventilation is satisfactory
Personal Protective Clothing:	Although not mandatory, the following precautions may be taken.



## 9. Physical & Chemical Properties

Appearance:	White crystals
Odour:	Odourless
Solubility:	36g/100cc water @20C (68F)
Specific Gravity:	2.16
pH:	6.7 – 7.3 (aqueous solution)
% Volatiles by volume @ 21C:	0
Boiling Point:	1413C
Melting Point:	801C
Vapour Density (Air=1):	No information found
Vapour Pressure (mm Hg):	1.0 @ 865C
Evaporation Rate (BuAc-1):	No information found

## 10. Stability and Reactivity

Stability:	Stable under ordinary conditions of use and storage. Hygroscopic
Hazardous Decomposition Products:	When heated to above 801C (1474F) it emits toxic fumes of chloride and sodium oxide.
Hazardous Polymerization:	Will not occur
Incompatibilities:	Lithium, bromine trifluoride
Conditions to Avoid:	Incompatibles

## 11. Toxicological Information

Oral rat LD50 : 3000 mg/kg –
Inhalation rat LC50 : > 42 gm/m <sup>3</sup> / 1 H
Skin Rabbit L50 : > 10 gm/kg. Investigated as a mutagen, reproductive effector.

## 12. Ecological Information

Environmental Fate:	No information found
Environmental Toxicity:	No information found

## 13. Disposal Considerations

Disposal of container and unused contents in accordance with local state or national legislation.  
1<sup>st</sup> October 2006

## 14. Transport Information

Not regulated

## 15. Regulatory Information

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

## 16. Other Information

Label Hazard Warning:	Warning! Causes eye irritation
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