
KWIK MIX MATERIALS LIMITED

Phone (905) 834-6177 PO BOX 520 PORT COLBORNE ON CANADA L3K 5X7 Fax (905) 834-5160
sales@kwikmix.com

MATERIAL SAFETY DATA SHEET

KWIK MELT ICE MELTING SALT

REVISION DATE: JANUARY 2006

PRODUCT IDENTIFICATION

CHEMICAL NAME:	SODIUM CHLORIDE / HALITE
COMMON NAME:	SALT
PRODUCT NAME:	KWIK MELT ICE MELTING SALT
CAS NUMBER:	7647-14-5
CHEMICAL FORMULA:	NaCl
PRODUCT USE:	SAFETY SALT FOR WINTER ICE MELTING: ICE CONTROL
MOLECULAR WEIGHT	58.5

HAZARDOUS INGREDIENTS: NONE

PHYSICAL DATA

Boiling Point: (760mm Hg): 1413°F	Specific Gravity (Water=1) 2.165
Vapour Pressure (mm Hg): 1 mm @ 865°C (1589°F)% Non-Volatile: 100%	
Vapour Density (AIR=1) N/A	Evaporation Rate (ether=1) N/A
Solubility in Water: 36g/100ccH ₂ O @ 20°C(68°F)pH 6.7 – 7.3	
Appearance: White Translucent Crystal	Odour: None

FIRE & EXPLOSION HAZARD DATA

Flash Point: N/A
Flammable Limits: Lel: N/A Uel: N/A
Method Used: Non Combustible
Extinguishing Media: Non Applicable
Special Fire Fighting Procedure: Not Applicable
Unusual Fire and Explosion Hazards: Not Applicable
Hazardous Decomposition Prods: When heated to decomposition, emits toxic fumes of Cl₂ & Na₂O

HEALTH HAZARD DATA

ORAL TOXICITY: Does not meet toxicity criteria under OSHA 1910.1200 Hazard Communication Appendix A Parts 3 & 6, or under Hazardous Products Act Ingredient Disclosure List PC 1987-2719 (Oral rat LD50: 3000mg/kg RTECS, 1986)

DERMAL TOXICITY: Not Toxic to the Skin (Skin irritation rabbit: 500mg/24hrs:mild RTECS 1986)

EYES: Not Toxic to Eyes (Eye irritation rabbit: 100mg/24hr: moderate RTECS 1986)

INHALATION: No information found

CHRONIC TOXICITY: No applicable information found

MUTAGENESIS: No applicable information found

EFFECTS OF OVEREXPOSURE:

Ingestion: 1. Disagreeable taste
2. Nausea and vomiting if large doses consumed

Skin Contact: 1. Not expected to be a health hazard

Eye Contact: 1. Mechanical Irritation
2. Watering of Eyes

Inhalation: 1. Slight irritation to mucous membranes, nose & throat
2. Symptoms may include sneezing, coughing or dry throat

Acute Systematic Effects: In extreme: dehydration and congestion may occur in internal organs. Hypertonic salt solutions can product inflammatory reactions in the gastrointestinal tract.

Chronic Systematic Effects: No applicable information found

EMERGENCY AND FIRST AID PROCEDURES:

Eye Contact: Flush under plenty of clean slow running water for at least 5 minutes, seek medical advise

Skin Contact: Flush with water, wash with soap and water, dry with clean soft towel, seek medical advice.

Inhalation: Remove to fresh air, discourage sniffing, seek medical advice.

Ingestion: If large amounts were swallowed, seek medical advice.

REACTIVITY DATA

Stability: Stable () Unstable ()

Incompatibility (Materials to Avoid)

Stable and inert under normal conditions. Will react with strong acids (to generate HCl) and strong oxidizing agents (to generate Cl₂.)

Can Hazardous Polymerization Occur: No

Hazardous Decomposition Products and Conditions:

When heated to decomposition it emits toxic fumes of Cl₂ and Na₂O

SPILL OR LEAK PROCEDURES

Response to Small Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

Response to Large Spills: Shovel and sweep up, containerize for reclamation or disposal

Hazard to be Avoided: None Known.

Reportable Quantity: Check local government for requirements

Waste Classification: Some jurisdictions have set maximum Chloride concentrations in waste effluent

Disposal Methods: Deliver whatever cannot be saved for reclamation to approved waste disposal facility or if local ordinances allow, dissolve in sufficient amount of water and flush down a sewer drain. Ensure compliance with appropriate regulations.

SPECIAL PROTECTION INFORMATION

Respiratory Protection: No special equipment, although dust mask suitable for nuisance dusts may be desirable when handling very fine crushed grades. Always follow good manufacturing practices.

Hands, Body: Follow good manufacturing practices (gloves, coveralls, goggles etc)

Eyes: Do not wear contacts, wear goggles if used in large amounts in closed areas.

Ventilation: In general, dilution ventilation is a satisfactory health hazard control, however, in enclosed area, exhaust system should be installed for workers.

SPECIAL PRECAUTIONS:

Other Precaution: Transport in dry equipment. Storage should be in a dry location.

LABELING INFORMATION:

DOT Shipping Name: Salt (Common) Sodium Chloride

DOT Label: Not applicable (Salt does not fall under Canadian or American regulations for the transport of dangerous goods)

UN No: Not applicable

Other Contents of Product Label: Not applicable

Warning: None

USERS' RESPONSIBILITY

The responsibility to provide a safe workplace remains with the user. The user should also consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment.

DISCLAIMER OF LIABILITY

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of the material. It is the responsibility of the user to comply with all applicable federal, provincial and local laws and regulations. Nothing contained herein is to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.

Doing something CONCRETE!