



COARSE SALT, FINE COLORED SALT

PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL NAME: NaCl Sodium chloride, salt.
SYNONYMS: By-product salt, fine colored salt, coarse road salt
CHEMICAL FAMILY: Sodium
MOLECULAR FORMULA: NaCl
SHIPPING NAME: Sodium chloride.
PIN - (UN/NA): Not classified. WHMIS: Not classified.
PRODUCT USE: Road deicing, animal feed, dust control, hide curing, road base stabilization, mud drilling.
MANUFACTURER: NSC Minerals Inc. 2241 Speers Avenue Saskatoon, Sask. S7L 5X6
EMERGENCY TELEPHONE NUMBER: (306) 934-6477
SUPPLIER: Panther Industries Inc. Box 628 Davidson, Saskatchewan S0G 1A0
EMERGENCY TELEPHONE NUMBER: (306) 567-2814

COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS:	WEIGHT %	C.A.S. REGISTRY NUMBER:
Sodium chloride	92-95	7647-14-5

HAZARDS IDENTIFICATION

SPECIAL HAZARDS INFORMATION: Pink hygroscopic crystals. Upon strong heating, irritant fumes are formed. Attacks many metals and building materials.
INGESTION: May be absorbed into the body by ingestion. Ingestion may cause irritation in the mouth, esophagus and stomach.
INHALATION: Will cause irritation of the upper respiratory tract.
EYE CONTACT: Contact with eyes may cause mild irritation.
SKIN CONTACT: Contact with skin may cause mild irritation. Intensive contact with skin may cause dermatitis.

FIRST AID MEASURES

INHALATION: Remove from exposure. If symptoms persist seek medical attention. No chronic local toxicity as a result of acute local exposure. Effects are reversible after exposure. Keep dust levels as low as practical.
SKIN CONTACT: Flush area with large amounts of water. If irritation persists seek medical attention.
EYE CONTACT: Flush with large amounts of water for a minimum of 15 minutes. If irritation persists obtain medical attention.
INGESTION: Ingestion of large amounts may cause vomiting. Do not induce vomiting. Contact a doctor immediately.
ADDITIONAL INFORMATION: Sodium Chloride is not generally considered poisonous.

FIRE FIGHTING MEASURES

FLAMMABILITY: None.
MEANS OF EXTINGUISHING: Use appropriate means for surrounding fire.
FLASH POINT: Not applicable.
UPPER FLAMMABLE LIMIT: Not applicable.
LOWER FLAMMABLE LIMIT: Not applicable.



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AUTO IGNITION TEMPERATURE: Not applicable.
HAZARDOUS COMBUSTION PRODUCTS: None.
SPECIAL FIRE FIGHTING PROCEDURES: Not applicable.
EXPLOSION HAZARDS: Not applicable.

ACCIDENTAL RELEASE MEASURES

STEPS IN THE EVENT OF A LEAK OR SPILL (SOLID): Use a broom or a dry vacuum to collect material for proper disposal. Dilute with water. Drain into a sewer with sufficient water.
STEPS IN THE EVENT OF A LEAK OR SPILL (LIQUID): Wipe with mop or use water aspiration. Drain into the sewer with sufficient water.
ENVIRONMENTAL EFFECTS: None known.

HANDLING AND STORAGE

SPECIAL HANDLING PROCEDURES: Wash thoroughly after handling. Do not get in eyes, on skin or on clothing.
STORAGE REQUIREMENTS: Store in a dry area, preferably below 70% relative humidity to avoid caking.
ENGINEERING CONTROLS: Use local exhaust and general ventilation techniques.

EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION: If ventilation is not adequate use a nuisance dust mask or gas respirators with dust filters.
SKIN PROTECTION: Wear gloves when handling the product (recommended but not required).
EYE/FACE PROTECTION: Wear chemical safety goggles or safety glasses. Contact lenses should not be worn when handling. Eyes may become red.
SPECIAL HANDLING PROCEDURE: Wash thoroughly after handling. Do not get in eyes, on skin or on clothing.

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid.
ODOUR AND APPEARANCE: Odorless, white to pink crystals.
ODOUR THRESHOLD: Not available.
VAPOUR PRESSURE: Not applicable. VAPOUR DENSITY: Not applicable.
EVAPORATION RATE: None. pH: 5.5-8.5 5% solution.
BOILING POINT: 1500° C. MELTING POINT: 801° C.
SOLUBILITY IN WATER: 35g/100cc MOLECULAR WEIGHT: 57.7
SPECIFIC GRAVITY: 2.2 % VOLATILE BY VOLUME: None.
BULK DENSITY: 79.1 lbs /ft³
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not applicable.

STABILITY AND REACTIVITY

STABILITY: Stable. HAZARDOUS POLYMERIZATION: Will not occur.
INCOMPATIBILITY (MATERIALS TO AVOID): Stable and inert under normal circumstances. Will react with strong acids (to generate HCL) and strong oxidizing agents (to generate Cl₂)
HAZARDOUS REACTIONS/DECOMPOSITIONS: HCl, fumes of Na₂O



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TOXICOLOGICAL INFORMATION

CHRONIC EXPOSURE EFFECTS: Modulator of blood pressure.
EXPOSURE LIMITS: ACGH Nuisance dust TLV-TWA: 10mg/m³ total dust.
IRRITANCY: Mild irritant to mucous membranes and upper respiratory tract.
MUTAGENICITY: Not known mutagen.
CARCINOGENICITY: Not a known carcinogen.
SENSITIZATION TO PRODUCT: No data available.
REPRODUCTIVE TOXICITY: No data available.
TOXICOLOGICALLY SYNERGISTIC MATERIALS: Not available.
TERATOGENICITY DATA: No data available.
ANIMAL TOXICITY DATA: Rat, oral LD₅₀ 3000mg/kg
OTHER HEALTH EFFECTS: Not available.

DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Put into large vessel containing water. Discharge into sewer with sufficient water.

TRANSPORT INFORMATION

SPECIAL SHIPPING REQUIREMENTS: Not applicable.

REGULATORY INFORMATION

CANADA: WHMIS HAZARD SYMBOL AND CLASSIFICATION: Not controlled.

OTHER INFORMATION

THE FOLLOWING HAS BEEN REVISED SINCE LAST ISSUE: New Format
PREVIOUS REVISION DATE: April 08 2007

REFERENCES:

1. Manufacturers MSDS
2. Hauled, Guessing G. "The Condensed Chemical Dictionary, Tenth Edition" (Van Nostrand Reinhold Co) 1981.

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