



# **Prairie Mud Service Ltd.**

*"Serving Western Canada with 24 Hour Drilling Mud Service"*

## **MSDS (Material Safety Data Sheet)**

COMPANY: **Prairie Mud Service** DATE: Nov 6, 2009  
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PRODUCT NAME: **COARSE SALT/FINE COLOURED SALT**

CHEMICAL NAME: NaCl Sodium Chloride, salt

PRODUCT USE: Road deicing, animal feed, dust control, hide curing, road based stabilization, mud drilling

CHEMICAL FAMILY: Sodium CAS#: 7647-14-5

### **WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)**

WHMIS CLASSIFICATION: Not Classified

### **TRANSPORTATION OF DANGEROUS GOODS (TDG)**

PROPER SHIPPING NAME: Sodium Chloride  
TDG CLASSIFICATION: Not Classified  
UN NUMBER (PIN): Not Classified

### **HAZARDOUS INGREDIENTS**

<u>INGREDIENT</u>	<u>Weight %</u>	<u>CAS NUMBER</u>
Sodium Chloride	92-95	7647-14-5

### **HEALTH HAZARDS**

ROUTE OF ENTRY: [XX] EYE CONTACT [XX] SKIN [XX] INHALATION [XX] INGESTION

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.

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.

SPECIAL INFORMATION: Pink hygroscopic crystals. Upon strong heating, irritant fumes are formed. Attacks many metals and building materials.



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### **FIRST AID MEASURES**

**EYE CONTACT:** Flush with large amounts of water for a minimum of 15 minutes. If irritation persists obtain medical attention.

**SKIN CONTACT:** Flush area with large amounts of water. If irritation persists seek medical attention

**INGESTION:** Ingestion of large amounts may cause vomiting. Do not induce vomiting. Contact a doctor immediately.

**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.

**ADDITIONAL INFORMATION:** Sodium Chloride is not generally considered poisonous

### **PHYSICAL DATA**

**APPEARANCE AND ODOUR:** Odorless, white to pink crystals

**SPECIFIC GRAVITY:** 2.2

**BOILING POINT (C):** 1500 °C

**MELTING POINT (C):** 801 °C

**SOLUBILITY IN WATER:** 35g/100cc      pH: 5.5-5.8

**PERCENT VOLATILE BY VOLUME:** None

**EVAPORATION RATE:** None

**VAPOUR PRESSURE (mmHg):** Not applicable

**VAPOUR DENSITY (air = 1):** Not applicable

**BULK DENSITY:** 79.1 lbs/ft<sup>3</sup>

### **FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:** Not applicable

**FLAMMABILITY:** None

**EXTINGUISHING MEDIA:** Use appropriate means for surrounding fire

**EXPLOSION HAZARDS:** Not applicable

### **REACTIVITY DATA**

**STABILITY:** Stable

**INCOMPATIBILITY (CONDITIONS TO AVOID):** Stable and inert under normal circumstances  
Will react with strong acids (to generate HCL) and strong oxidizing agents (to generate Cl<sub>2</sub>)

**HAZARDOUS DECOMPOSITION:** HCl, fumes of Na<sub>2</sub>O

**HAZARDOUS POLYMERIZATION:** Will not occur



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### **SPECIAL PROTECTION INFORMATION**

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 protected (recommended but not required)
EYE PROTECTION:	Wear chemical safety goggles or safety glasses. Contact lenses should not be worn.

### **HANDLING AND STORING**

SPECIAL HANDLING:	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.

### **TOXICOLOGICAL INFORMATION**

CHRONIC EXPOSURE EFFECTS:	Wash thoroughly after handling. Do not get in eyes, on skin or on clothing.
EXPOSURE LIMITS:	ACGH Nuisance dust TLV-TWA: 10mg/m <sup>3</sup> total dust
IRRITANCY:	Mild irritant to mucous membranes and upper respiratory tract.
MUTAGENICITY:	Not a known mutagen
CARCINOGENICITY:	Not a known carcinogen
SENSITIZATION TO PRODUCT:	No data available
REPRODUCTION TOXICITY:	No data available
ANIMAL TOXICITY DATA:	Rat, oral LD50 3000 mg/kg
OTHER HEALTH EFFECTS:	Not available

### **STEPS TO BE TAKEN IN CASE THE MATERIAL IS SPILLED OR RELEASED**

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.



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### **WASTE DISPOSAL METHOD**

Put into a large vessel containing water. Discharge into the sewer with sufficient water.

### **SECTION IX: PREPARATION**

THE INFORMATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH,  
BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.