



# MATERIAL SAFETY DATA SHEET POTASSIUM CHLORIDE

**NFPA Classification**

Health: 1  
Flammability: 0  
Reactivity: 0  
Specific Hazard: 0

## SECTION I - MATERIAL IDENTIFICATION AND USE

<b>Supplier:</b> NSC MINERALS INC. 2241 Speers Avenue Saskatoon, Saskatchewan Canada S7L 5X6	<b>Emergency Telephone Numbers:</b> (306) 934-6477 (888) 668-7258
<b>Chemical Name:</b> KCl Potassium Chloride	<b>Chemical Family:</b> Inorganic Salts
<b>Product Use:</b> Animal Feed Supplement Industrial Chemical Process	<b>Trade Name:</b> KCl Potassium Chloride, Potash

## SECTION II - HAZARDOUS INGREDIENTS

Potassium Chloride	CAS # 7447-40-7	95 - 100%
Sodium Chloride	CAS # 7647-14-5	0 - 5%

## SECTION III - PHYSICAL DATA

<b>Physical State</b> Solid	<b>Odour and Appearance</b> Pinkish White/White, Odourless	<b>Odour Threshold</b> Not Available
<b>Boiling Point</b> 1500°C	<b>Solubility In Water</b> 357g/L at 25°C	<b>Specific Gravity</b> 2.0 (H <sub>2</sub> O = 1)

## SECTION IV - FIRE AND EXPLOSION HAZARDS

<b>Flammability</b> Non Flammable	<b>Means of Extinction</b> Non Combustible
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## SECTION V - REACTIVITY DATA

<b>Chemical Stability</b> Stable	<b>Incompatible Materials</b> Bromine trifluoride or trichloride potassium dichromate and sulfuric acid, or hot nitric acid
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**SECTION VI - TOXICOLOGICAL PROPERTIES**

**Route of Entry -** Eye, skin contact, inhalation, ingestion

**Effects of Acute Exposure:**

- Eye** - May cause irritation
- Skin** - May cause irritation
- Inhalation (of dust)** - May cause respiratory tract irritation
- Ingestion** - May cause upset stomach

**Effects of Chronic Exposure:**

Excessive inhalation of mineral dust for very long periods of time, may cause industrial bronchitis, reduced breathing capacity, and increase susceptibility to other lung diseases.

<b>Irritancy</b> May Cause Irritation	<b>Respiratory Tract Sensitization</b> No Data Available	<b>Mutagenicity</b> Product Is Not
<b>Teratogenicity</b> Product Is Not	<b>Carcinogenicity</b> Product Is Not	<b>Reproductive Effects</b> No Data Available

**SECTION VII - PREVENTIVE MEASURES**

**Personal Protective Equipment:**

- |                                                                      |                                                    |
|----------------------------------------------------------------------|----------------------------------------------------|
| <b>Gloves</b> - Recommended                                          | <b>Footwear</b> - Normal                           |
| <b>Respiratory</b> - Wear NIOSH/MSHA approved respiratory protection | <b>Clothing</b> - Normal long sleeved work clothes |
| <b>Eyes</b> - Safety glasses recommended                             |                                                    |

**Leak and Spill Procedures** Use broom or dry vacuum to collect material for reuse or proper disposal. Rinse area with water. Prevent large spills from entering sewers and waterways.

**Waste Disposal** Dispose of in accordance with all applicable Federal, Provincial, State and local Environment Regulations.

**Storage Requirements** Store in dry area, preferably below 70% relative humidity.

## SECTION VIII - FIRST AID MEASURES

<b>Skin</b>	Wash with soap and water.
<b>Eyes</b>	Flush with large amounts of water.
<b>Inhalation</b>	If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Ingestion</b>	Drink large quantities of water. Induce vomiting. Bring to the attention of a physician.

## SECTION IX - PREPARATION OF MATERIAL SAFETY DATA SHEET

**Prepared By:**

NSC MINERALS INC.

**Date Prepared:**

September 1, 2009

**Phone Number of Preparer:**

(306) 934-6477

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