



INTREPID POTASH - CARLSBAD, LLC

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EMERGENCIES: CALL (800) 424-9300 (CHEMTREC)
HEALTH EMERGENCIES: CONTACT YOUR LOCAL POISON CENTER

MATERIAL SAFETY DATA SHEET

MCC MSDS No. 043

Effective Date: 02/03/94

Revised Date: 11/29/07

PRODUCT NAME: (RED) POTASH

Transportation Emergencies: (800) 424-9300 (CHEMTREC)

Health Emergencies: Contact Local Poison Center

CAUTION

MAY CAUSE IRRITATION

SECTION I – PRODUCT INFORMATION

Chemical Name: Potassium Chloride Formula: KCl

Chemical Family: Inorganic Salt CAS No. 7447-40-7

Exposure Standard: None established. The OSHA nuisance dust limit of 15 mg/m³ or the ACGIH nuisance dust TLV of 10 mg/m³ or the time weighted average applies.

SECTION II – PERSONAL PROTECTION INFORMATION

Ventilation: Provide local or general ventilation to keep dust below the OSHA nuisance dust limit of 15 mg/m³.

Eyes: Safety glasses shall be worn.

Skin: No protection normally required. If irritation occurs, long sleeves and impervious gloves should be worn.

Respiratory: A NIOSH approved dust respirator shall be used when exposure exceeds the OSHA standard of 15 mg/m³.

Other: Washing facilities shall be available.

SECTION III – HEALTH INFORMATION

ROUTES OF ENTRY

PHYSIOLOGICAL AND HEALTH EFFECTS

Eyes:	Will produce pain and irritation.	
Skin:	Slightly irritating.	
Inhalation:	Can cause irritation to mucous membranes, nasal and respiratory passages. Systemic effects are not likely.	
Ingestion:	Large doses cause GI irritation.	
Toxicity:	Oral: Human	LDLo – 500 mg/kg
	Oral: Rat	LDLo – 100 mg/kg

EMERGENCY AND FIRST AID PROCEDURES

Eyes:	Immediately flush with large quantities of water for at least 20 minutes. Seek medical attention.
Skin:	Wash thoroughly with water and soap.
Inhalation:	Remove to fresh air. If discomfort continues seek medical attention.
Ingestion:	If person is conscious, dilute stomach contents with water. Seek medical attention.

SECTION IV – REACTIVITY DATA

Stability:	Stable salt
Conditions to avoid:	Not applicable
Incompatibility:	Avoid strong oxidizers
Decomposition Products:	None

Hazardous Polymerization: Will not occur.

SECTION V – PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Reddish brown or white crystals or powder. Odorless.

Boiling Point: 1500 degrees Celsius

Melting Point: 773 degrees (sublimes at 1500°)

Solubility: Soluble in water, slightly soluble in alcohol, insoluble in absolute alcohol.

Specific Gravity
H₂O = 1 : 1.988

Molecular Weight: 74.55

SECTION VI – HANDLING AND STORAGE PRECAUTIONS

Store in cool, dry well ventilated area. Do not get into eyes. Wash thoroughly after handling.

SECTION VII – FIRE PROTECTION INFORMATION

NFPA Rating: Flammability: D

Flash Point: Not applicable.

Extinguishing Media: Any suitable for other materials involved.

Flammable Limits
(by volume in air): Not applicable

Special Firefighting
Procedures:

Wear self-contained breathing apparatus.

Unusual Fire and
Explosive Hazards:

Could emit toxic fumes under fire conditions.

SECTION VIII – DEPARTMENT OF TRANSPORTATION REQUIREMENTS

This material is not classified as a hazardous material by The Department of Transportation.

SECTION IX – SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:

Spilled muriate of potash can be reused if kept dry and uncontaminated. After cleanup, contaminated area should be washed down with water. Do not allow washwater to enter drinking water supplies. In the event of spill or washwater entering sewer or waterway, notify sewer authorities or other appropriate agencies.

Waste Disposal Methods

If uncontaminated, recover and reuse as product. Consult State or Federal regulatory agencies for acceptable disposal procedures and disposal locations.

Reportable Quantities: None established.

SECTION X – CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN

National Toxicology
Program: Yes

I.A.R.C.
Monograms: No

OSHA: No

Disclaimer

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