

215 E. 6th Ave.  
HILLSBORO, OR 97123

CM 0220

**potassium  
chloride**

Trona California 93562

For more detailed information on the hazards of this product, write to the address above. Technical Information Bulletin is also available. For emergency information, telephone (619) 372-2291 any time.

## PHYSICAL AND CHEMICAL PROPERTIES

State .....	Granular solid
Melting Point C .....	776
Boiling Point C .....	1411
Color .....	White/brownish
Odor .....	None
Bulk Density, lb/cu. ft .....	67
Weight Per Gallon .....	Not applicable
Specific Gravity @ 20C .....	2
Water Solubility, % By WL @ 20C ..	25.5
Flash Point And Method .....	Not applicable
pH .....	Not applicable

Chemical Name	Common Name	CAS Number	Hazard
Potassium chloride	Muriate of potash	7447-40-7	Irritant to the eyes, skin and gastrointestinal tract.

Explosive:	No	Upper Explosive Limit:	Not applicable	Lower Explosive Limit:	Not applicable
Pyrophoric:	No				
Flammable:	No	Flammability Class:	Not applicable		
Combustible:	No	Organic Peroxide:	No		
Oxidizer:	No	Compressed Gas:	No		
Reactivity:	No				

**Incompatibilities:** Bromine trifluoride, potassium permanganate and sulfuric acid.

Hazardous                None.  
Decomposition:

**Conditions**      **Contact with incompatible materials.**

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## HEALTH INFORMATION

Precautionary Information: **CAUTION!** Causes irritation of the eyes, and gastrointestinal tract. May cause skin irritation.

Symptoms Of Exposure: Irritation or stinging of the eyes, coughing and sneezing.

Restrictive Medical Conditions: Kidney disorders may be aggravated by this product.

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## PRIMARY ROUTE(S) OF ENTRY

Ingestion (swallowing), eye and inhalation (breathing).

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## TOXICITY INFORMATION

Irritant eye - rabbit 500 mg/24H severe; Oral-Infant LDLo 938 mg/kg/2D; Unknown-human TDLo 238 mg/kg/1D; Oral-rat LDLo 2430 mg/kg; Interperitoneal-rat LD<sub>50</sub> 660 mg/kg; intervenous-rat LD<sub>50</sub> 39 mg/kg; Oral-mouse LD<sub>50</sub> 383 mg/kg; Interperitoneal-mouse LD<sub>50</sub> 552 mg/kg; Intervenous-mouse LD<sub>50</sub> 117 mg/kg. Toxicity is similar to sodium chloride (table salt).

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## EXPOSURE LIMITS

OSHA: Not established.

ACGIH: Not established.

Other: ACGIH nuisance dust TLV - TWA is 10 mg/m<sup>3</sup> total dust or 5 mg/m<sup>3</sup> respirable dust.

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Reported As A Potential Carcinogen  
Or Carcinogen

☒ Not Applicable  
☐ OSHA

☐ National Toxicology Program  
☐ International Agency For Research On Cancer

### PRECAUTIONS FOR SAFE HANDLING AND USE

Avoid contact with eyes.  
Wash thoroughly after handling.  
Store in a dry place.

### SPILL AND LEAK PROCEDURES

Soil Release: Shovel and sweep up into a container. Reclaim for salvage value or wash to an industrial sewer as permitted by federal, state and local regulations.

Water Spill: Dilute and disperse with water jets, propellers or similar devices.

Air Spill: Let settle. Treat as appropriate for Soil Release or Water Spill.

Occupational Spill: Shovel and sweep up into a container. Reclaim for salvage value or dispose of in accordance with federal, state and local regulations.

RCRA Waste Number: Not applicable.

### ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Ventilation: Use local exhaust or general dilution ventilation techniques.

Respirator: Use NIOSH/MSHA approved dust type respirator.

Eye Protection: Wear safety goggles or safety glasses.

Gloves: No special requirements. Ordinary work gloves.

Clothing: No special requirements. Wear easily washable clothing. Change daily. Wash clothing before reuse.

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## EMERGENCY PROCEDURES

**Fire:** This product is not flammable and does not support combustion. Use fire extinguishing media suitable for surrounding fire.

**Spill or Leak:** Shovel, and sweep up into container for later disposal. Spills into water should be diluted and dispersed with large volume of water.

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## FIRST AID PROCEDURES

**Ingestion:** If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician.

**Inhalation:** If inhaled, remove to fresh air.

**Skin Contact:** Flush with water and then wash with soap or mild detergent and water.

**Eye Contact:** Flush eyes with plenty of water for at least 15 minutes. Call a physician.

**Note To Physician:** Chemical of exposure is potassium chloride.