



FILE NO.:
MSDS DATE: / /

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Potassium Chloride
SYNONYMS: Potassium monochloride; sylvite
PRODUCT CODES: P1405, P1407, P1410

MANUFACTURER: ChemProducts, Inc.
ADDRESS: 6310 SW Virginia Avenue Portland OR 97201

CHEMTREC PHONE: 800-424-9300

CHEMICAL NAME: Potassium Chloride
CHEMICAL FORMULA: KCl

ORIGINAL DATE: 29Sept94

REVISION DATE: 25Sept00

SECTION 2: PRECAUTIONARY MEASURES

WARNING! CAUSES EYE IRRITATION. MAY CAUSE IRRITATION TO SKIN AND RESPIRATORY TRACT.

Avoid breathing dust.
Keep container closed.
Use with adequate ventilation.
Avoid contact with eyes, skin and clothing.
Wash thoroughly after handling.

SECTION 3: EMERGENCY / FIRST AID

In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes. If inhaled, remove to fresh air. Get medical attention for any breathing difficulty.

See Section 8.

SECTION 4: PHYSICAL DATA

APPEARANCE: White crystals or powder.
ODOR: Odorless.
SOLUBILITY: 35.7 g / 100g of water.
BOILING POINT: Sublimes at 1500°C.
MELTING POINT: 772°C (1422°F).
DENSITY: 1.987
VAPOR DENSITY (AIR = 1): No information found.
VAPOR PRESSURE (mm Hg): No information found.
EVAPORATION RATE: No information found.



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SECTION 5: FIRE AND EXPLOSION INFORMATION

FIRE: Not considered to be a fire hazard.

EXPLOSION: Not considered to be an explosion hazard.

FIRE EXTINGUISHING MEDIA: Use any means suitable for extinguishing surrounding fire.

SPECIAL INFORMATION: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

SECTION 6: REACTIVITY DATA

STABILITY: Stable under ordinary conditions of use and storage.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of the contained metal and halogen, possibly also free, or ionic halogen.

HAZARDOUS POLYMERIZATION: This substance does not polymerize.

INCOMPATIBILITIES: Bromine trifluoride; potassium permanganate plus sulfuric acid.

SECTION 7: LEAK / SPILL DISPOSAL INFORMATION

Sweep, scoop or pick up spilled material. Collected waste may be transferred to a closed, preferably metal, container and sent to an approved waste disposal facility.

Ensure compliance with local, state and federal regulations.

SECTION 8: HEALTH HAZARD INFORMATION

EXPOSURE / HEALTH EFFECTS:

INHALATION: Inhalation of high concentrations of dust may cause nasal or lung irritation.

INGESTION: Large quantities can produce gastrointestinal irritation and vomiting. May produce weakness and circulatory problems.

SKIN CONTACT: Contact may cause irritation or rash, particularly with moist skin.

EYE CONTACT: Potassium chloride is an eye irritant. Redness, tearing, possible abrasion can occur.

CHRONIC EXPOSURE: No Information found.

AGGRAVATION OF PRE-EXISTING CONDITIONS: Persons with impaired kidney function may be more susceptible to the effects of the substance.

FIRST AID:

INHALATION: Remove to fresh air. Get medical attention for any breathing difficulty.

INGESTION: Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical attention.

SKIN CONTACT: Remove any contaminated clothing. Wash skin with plenty of water for at least 15 minutes. If irritation develops, get medical attention.

EYE CONTACT: Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.



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TOXICITY DATA (RTECS, 1982): Oral rat LD50: 2600 mg . kg; Irritation eye rabbit: 500 mg / 24 hr mild; investigated as a mutagen.

SECTION 9: OCCUPATIONAL CONTROL MEASURES

AIRBORNE EXPOSURE LIMITS: -OSHA Permissible Exposure Limit (PEL): 15 mg / m3 total dust, 5 mg / m3 respirable fraction for nuisance dusts.
-ACGIH Threshold Limit Value (TLV): 10 mg / m3 total dust containing no asbestos and < 1% crystalline silica for Particulates Not Otherwise Classified (PNOC).

VENTILATION SYSTEM: A local exhaust system which captures the contaminant at its source is recommended to prevent dispersion of the contaminant into the workroom air.

PERSONAL RESPIRATORS (NIOSH APPROVED): For conditions of use where exposure to the dust is apparent, a dust / mist respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.

SKIN PROTECTION: Wear protective gloves and clean body-covering clothing.

EYE PROTECTION: Use chemical safety goggles and / or full face shield where dusting or splashing of solutions is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area.

SECTION 10: STORAGE AND SPECIAL INFORMATION

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Material may tend to cake up upon storage.

SECTION 11: REGULATORY STATUS

HAZARD CATEGORIES FOR SARA SECTION 311 / 312 REPORTING:

ACUTE: Yes
CHRONIC: No
FIRE: No
PRESSURE: No
REACTIVE: No

PRODUCTS OR COMPONENTS OF PRODUCT:	CECLA	RCRA	SARA	EHS	SARA 313 CHEMICALS	
	SEC. 103 RQ LBS	SEC. 261.33	SEC. RQ	302 TPQ	NAME LIST	CHEMICAL CATEGORY
Potassium Chloride (7447-40-7)	No	No	No	No	No	No

SARA SECTION 302 EHS RQ: Reportable Quantity of Extremely Hazardous Substance, listed at 40 CFR 355.

SARA SECTION 302 EHS TPQ: Threshold Planning Quantity of Extremely Hazardous Substance. An asterick (*) following a Threshold Planning Quantity signifies that if the material is a solid and has a particle size equal to or larger than 100 micrometers, the Threshold Planning Quantity = 10,000 lbs.

SARA SECTION 313 CHEMICALS: Toxic Substances subject to annual release reporting requirements listed at 40 CFR 372.65.



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CERCLA SEC. 103:

Comprehensive Environmental Response, Compensation and Liability Act (Superfund). Releases to air, land or water of these hazardous substances which exceed the Reportable Quantity (RQ) must be reported to the National Response Center, (800-424-8802); Listed at 40 CFR 302.4.

RCRA:

Resource Conservation and Reclamation Act. Commercial chemical product wastes designated as acute hazards and toxic under 40 CFR 261.33.

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