



SAFETY DATA SHEET

POTASSIUM CHLORIDE

Product No: 004/02-US

Section 1 : Substance and Company Identification

Product Name : Potassium Chloride
Supplier : SQM Northamerica Corporation
Address : 3101 Towercreek Parkway, Suite 450
Atlanta, GA 30339
Telephone : (770) 916 9400
Fax : (770) 916 9401
E-mail : product_safety@sqm.com
Emergency Number : (800) 424 9300 (CHEMTREC)

Section 2 : Hazards Identification

Emergency Overview

May be irritant to skin.

Potential Health Effects

Inhalation : Inhalation of dry dust may irritate the respiratory tract.
Ingestion : Ingestion of large amounts may cause diarrhoea and nausea.
Skin Contact : May cause irritation.
Eye Contact : May cause irritation, eye redness, itching and pain.

Section 3 : Composition/Information on Ingredients

Chemical Name	Formula	CAS No.	EINECS No.	Composition
Potassium Chloride	KCl	7447-40-7	231-211-8	> 95%
Sodium Chloride	NaCl	7647-14-5	231-598-3	< 5%





Section 4 : First Aid Measures

General Information

In case of persisting adverse effects consult a physician.

Specific Measures

- Inhalation : Remove to fresh air.
Ingestion : Induce vomiting. Never give anything by mouth (oral) to an unconscious person.
Skin Contact : In case of irritation, remove clothing. Wipe excess from skin. Wash with soap and water for at least 5 minutes.
Eye Contact : Flush eyes with plenty of water, lifting lower and upper eyelids occasionally.

Section 5 : Firefighting Measures

- Fire : Non combustible.
Fire Extinguishing : Any mean suitable for extinguishing surrounding fire. Spray water for small fires. For large fires flood with abundant water
Media

Section 6 : Accidental Release Measures

- Personal Precautions : Use personal protective equipment (Section 8).
Environmental Precautions: Do not discharge into drains. Avoid surface and ground water contamination.
Methods for Cleaning : Pick up the product mechanically and store in a normal container for recovery or disposal.
Up/Taking Up

Section 7 : Handling and Storage

Handling

- Special Procedures : None.
Safe Handling Procedures : Minimize dust generation. Avoid contact with eyes and skin.
Special Advices : Incompatibilities not known.





Storage

- Special Requirements : Keep the product in the original containers.
Storage Conditions : Keep containers closed in well ventilated and cool place.

Section 8 : Exposure Controls / Personal Protection

- Personal Protective Equipment : Wear nitrile rubber gloves (over 0.11 mm thickness, > 480 min breakthrough time), and chemical safety goggles.
Hygiene Measures : Do not drink, eat or smoke during product manipulation. Keep away from foodstuffs and beverages. Wash hands before breaks and after work.

Section 9 : Physical and Chemical Properties

- Physical Form : Crystalline or granular solid
Colour : White to light grey
Odour : Odourless
pH : 5.5 – 8.0
Melting Point : 1575 °C
Boiling Point : not determined
Thermal Decomposition : n/a
Specific Gravity : 2.0 g/ml
Water Solubility : 357 g/L (25 °C) (only for crystalline material)

Section 10 : Stability and Reactivity

- Stability : Stable under normal use and storage conditions.
Hazardous Reactions : Contact with strong acid may produce hydrogen chlorine gas.
Hazardous Decomposition Products : None.





Section 11 : Toxicological Information

Can cause skin and eye irritation.

No toxicity data are available for the mixture. Individual components data are presented. None of the components has been listed as a carcinogenic agent.

Compound	Accute oral toxicity (DL ₅₀ , rat)
KCl	2600 mg/Kg
NaCl	3000 Mg/Kg

Section 12 : Ecological Information

General

Do not discharge into drains and water or public depositories.

Environmental Fate

In aquatic compartments, ions are mobile. Bioaccumulation is not expected. Sodium and Potassium binds to clay particles in the soil.

Section 13 : Disposal Considerations

- Residues : Contact your local permitted disposal site. Always contact a licensed waste disposal service to assure compliance with all regulations-
- Empty Packaging : Empty containers may be reused after appropriate cleansing. Packaging that can not be cleaned should be disposed in agreement with the regional waste disposal company.

Section 14 : Transport Information

Rail & Road (ADR/IRD) – Sea (IMDG Code) – Air (IATA)

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.





Section 15 : Regulatory Information

United States

Indication of Danger: None

Risk Statements: Irritating to eyes and skin.

Safety Statements: In case of accident or if you feel unwell, seek medical advice immediately.

Labelling according to EC Directives

Labelling None

Phrases R	22	Harmful if swallowed
	36/37/38	Irritating to eyes, respiratory system and skin.

Phrases S -

Section 16 : Other Information

This MSDS complies with ANSI Standard Z400.1-2004.

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Issued : 25.03.08
Supersedes edition of: 28.07.03

