



SAFETY DATA SHEET

1. Identification:

Product Identifier: Potassium Chloride, ACS
Product code: BP2075
Synonym(s): Potassium Chloride, KCl
Recommended use: Manufacture of other chemical products, professional, scientific, and technical activities.
Recommended restrictions: None known.

Manufacturer/Supplier/Distributor Information

Company name: Biopharm Inc.
Address: 187 South Tilley Road
Hatfield, AR 71945
Telephone: (870) 389-6114
Website: www.bphchem.com
E-mail: support@bphchem.com
Emergency phone number: Chemtrec 800-424-9300

2. Hazard(s) identification:

Classification: GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Label elements: None required
Signal word: None. (Hazards do not reach threshold required for least severe category.)
Hazard statement: This mixture does not meet the criteria for classification.
Precautionary statement:
Prevention The health effects of this product, which is a mixture of ingredients, have not been investigated.
Response Wash hands after handling.
Storage Store bottles tightly capped and upright. Keep in a cool place away from direct sunlight.
Disposal Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC): None Known.
Supplemental information: None.

3. Composition/information on ingredients

Mixtures

<u>Chemical Name</u>	<u>CAS number</u>	<u>%</u>
Potassium Chloride	7447-40-7	100

4. First-aid measures

Inhalation:	Move to fresh air. Call a physician if symptoms develop or persist.
Ingestion:	Rinse mouth. Get medical attention if symptoms occur. Do NOT induce vomiting.
Skin contact:	Wash with warm water and soap. Get medical attention if irritation develops and persists.
Eye contact:	Irrigate with cool running water. If irritation develops, obtain medical care.
Most important symptoms/effects, acute and delayed:	Direct contact with eyes may cause temporary irritation.
General information:	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media:	Any media necessary for extinguishing the surrounding fire.
Unsuitable extinguishing media:	No information available.
Specific hazards arising from the chemical	None known.
Special protective equipment and precautions for firefighters	Wear approved self-contained protective clothing.
Fire-fighting equipment/instructions	Any media necessary for extinguishing the surrounding fire.

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures:	Keep unnecessary personnel away.
Methods and materials for containment and cleaning up:	Wash spill area with soap and water. Prevent further leakage or spillage if safe to do so. Never return spills to original containers for reuse. For waste disposal, see section 13 of the SDS.
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

7. Handling and storage

Precautions for safe handling:	Avoid prolonged exposure. Observe good industrial hygiene practices.
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Conditions for safe storage, including any incompatibilities:

Store bottles tightly capped and upright. Keep in a cool place away from direct sunlight. Store away from incompatible materials.

8. Exposure controls/personal protection

Engineering measures: Ensure that eyewash stations and safety showers are close to the workstation location.
Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

Eye/face protection: Wear protective eyeglasses or chemical safety goggles.

Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance: White Crystal/Powder

Odor: Odorless

Molecular Weight: 74.55 g/mole

Vapor Pressure (mm Hg): No data available.

Vapor density (Air = 1): No data available.

pH: No data available.

Relative density: No data available.

Melting point/freezing point: 770°C (1418°F)

Solubility in Water: Soluble in cold water, hot water.
Very slightly soluble in methanol, n-octanol.

Boiling Point (°F): 1420°C (2588°F)

Flash point: No data available.

Evaporative Rate (H₂O = 1): No data available.

Flammability (solid, gas): Not applicable

Upper/lower flammability or explosive limits

Flammability limit - lower No data available.

Flammability limit - upper No data available.

Explosive limit - lower No data available.

Explosive limit - upper No data available.

Partition coefficient: n-octanol/water No data available.

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Other information:

Specific Gravity (H₂O = 1): 1.987 (Water = 1)

Percent Volatile by Volume: No data available.

10. Stability and reactivity

Reactivity:	Product is stable and non-reactive under ordinary conditions of use, storage and transport.
Chemical stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerization will not occur.
Conditions to instability:	Incompatible materials
Incompatible materials:	Reactive with oxidizing agents, acids.

11. Toxicological information

Information on likely routes of exposure:

Ingestion:	Poisonous upon ingestion.
Inhalation:	If inhaled, may result in sneezing or coughing due to the nuisance dust effect.
Skin Contact:	Contact with skin is not expected to be a health hazard.
Eye Contact:	Contact with eyes may result in irritation because of the dust.

Information on toxicological effects

Acute toxicity

<u>Component</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
Potassium Chloride	1500 mg/kg (rat)	No data	No data

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	May cause irritation to skin on contact.
Serious eye damage/irritation	May cause irritation to eyes on contact.
Respiratory Sensitization	No data available.
Skin sensitization	No data available.
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP, ACGIH or OSHA.
Mutagenic effects	No data available.
Reproductive effects	No data available.
STOT – single exposure	No data available.
STOT – repeated exposure	No data available.
Aspiration hazard	No data available.
Chronic effects	May affect genetic material.

12. Ecological information

Ecotoxicity:	No data available
Persistence and degradability:	No data available

Bioaccumulation/ Accumulation:	No data available
Mobility in soil:	No data available
Other adverse effects:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. Disposal considerations

Waste disposal methods: To be performed in compliance with all current local, state and federal regulations.

14. Transport information

DOT: Not regulated as dangerous goods.

15. Regulatory information

U.S. Federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated

U.S. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not regulated

CERCLA Hazardous Substances List (40 CFR 302.4) Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories Immediate Hazard – No
Delayed Hazard – No
Fire Hazard – No
Pressure Hazard – No
Reactivity Hazard – No

Other Federal regulations

Clean Air Act Not applicable

Clean Water Act Not applicable

California Prop 65 This product does not contain any Proposition 65 chemicals.

16. Other information, including date of preparation or last revision

Revision date July 18, 2024

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