



# SAFETY DATA SHEET

ProChemOnline.com



## SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Potassium Chloride**

PRODUCT NO: 2898-5

CAS NO: 7447-40-7

### MANUFACTURER:

ProChem, Inc.  
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Rockford, IL 61109

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IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

## SECTION 2 HAZARDS IDENTIFICATION

### CLASSIFICATION OF SUBSTANCE OR MIXTURE

Signal Word **Warning**

### Hazard Statements

H320	Causes eye irritation.
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### Precautionary Statements

P264	Wash hands thoroughly after handling.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

### HMIS CLASSIFICATION:

Health: 1      Flammability: 0      Reactivity: 0

### NFPA RATING:

Health: 1      Fire: 0      Reactivity Hazard: 0

**EYE CONTACT:** May cause eye irritation.

**SKIN CONTACT:** May cause skin irritation.

**INHALATION:** Causes irritation to the respiratory tract.

**INGESTION:** May be harmful if swallowed.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: KCl

Molecular Weight: 74.55

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS (Cont.)

CHEMICAL NAME	CAS#	%
Potassium Chloride	7447-40-7	>98

## SECTION 4 FIRST AID MEASURES

**EYE EXPOSURE:** Rinse with plenty of water for at least 15 minutes and seek medical attention if necessary.

**SKIN EXPOSURE:** Flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if necessary.

**INHALATION:** Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

**INGESTION:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary.

## SECTION 5 FIREFIGHTING MEASURES

**FLASH POINT:** Product is not flammable.

**AUTO IGNITION TEMPERATURE:** None

**EXPLOSION LIMITS:** None

**EXTINGUISHING MEDIUM:** Use appropriate media for adjacent fire. Use flooding quantities of water to cool containers.

**SPECIAL FIRE FIGHTING PROCEDURES:** If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:** Potassium oxides

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust.

**ENVIRONMENTAL PRECAUTIONS:** Do not let enter drains or allow to be released into the environment.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Pick up and arrange disposal without creating dust. Sweep up and keep in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

## SECTION 7 HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Ensure adequate ventilation. Wear personal protective equipment. Avoid formation of dusts.

**CONDITIONS FOR SAFE STORAGE:** Store in a cool, dry, and well-ventilated area. Keep away from incompatible materials.

## SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

**EYE PROTECTION:** Always wear approved safety glasses with side shields, safety goggles, or face shield when handling a chemical substance in the laboratory.

**SKIN PROTECTION:** Chemical resistant gloves.

**VENTILATION:** If possible, handle the material in an efficient fume hood.

**RESPIRATOR:** Respirator selection should be based on anticipated exposure levels.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**COLOR AND FORM:** White solid

**ODOR:** Odorless

**MOLECULAR WEIGHT:** 74.55

**MELTING POINT:** 770° C

**BOILING POINT:** 1,500° C

**SPECIFIC GRAVITY** Not available

**VAPOR PRESSURE:** Not available

**SOLUBILITY IN WATER:** Soluble

## SECTION 10 STABILITY AND REACTIVITY

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID:** Moisture

**INCOMPATIBILITY:** Acids, strong oxidizers

**DECOMPOSITION PRODUCTS:** Potassium oxide

## SECTION 11 TOXICOLOGICAL DATA

**ACUTE TOXICITY:** Eyes-rabbit- Mild eye irritation – 24h.

**CARCINOGENIC EFFECTS:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.

**MUTAGENIC EFFECTS:** No data

**TETRAOGENIC EFFECTS:** No data

**RTECS DATA:** TS8050000

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

## SECTION 12 ECOLOGICAL DATA

**AQUATIC VERTEBRATE:** LC50-Gambusia affinis (Mosquito fish) – 880 mg/l – 96h.

## SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

## SECTION 14 TRANSPORTATION DATA

Non-hazardous material

## SECTION 15 REGULATORY INFORMATION

**TSCA:** Listed in the TSCA Inventory

**DSL / NDSL:** All ingredients are listed on the DSL inventory.

**SARA 302 COMPONENTS:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA (TITLE 313):** Title compound not listed

**PENNSYLVANIA RIGHT TO KNOW:** Not listed

**NEW JERSEY RIGHT TO KNOW:** Not listed

**CALIFORNIA PROP. 65:** Not listed

## SECTION 16 OTHER INFORMATION

**DISCLAIMER:** The information herein is believed to be accurate and reliable as of the date compiled. However, ProChem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

**DATE REVISED:** 08/24

**SDS DEPT.**