**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Name:** Potassium Chloride, Reagent ACS (Crystals)

**Catalog Numbers:**
- AC424910000
- AC424910040
- AC424910060

**Synonyms:**
- Potassium Monochloride
- Potassium Puriate

**Company Identification (Europe):**
- ACROS Organics BVBA
  - Janssen Pharmaceutical SA
  - 2440 Utc, Belgium

**Company Identification (USA):**
- Acros Organics
  - One Research Lane
  - Fairlawn, NJ 07410

**For information in North America, call:**
- 900-ACROS-05

**For information in Europe, call:**
- 2012(1)14575221

**For emergencies in Europe,**
- Call CHEMTREC: 300-424-9300

**For emergencies in the US,**
- Call 1-800-ACROS-05

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**SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS**

- **Formula:** KCl
- **Phase:** Solid
- **Color:** White
- **Odor:** None
- **Appearance:** Colorless to white solid
- **Hazard Symbols:** X1
- **Risk Phrases:** 36

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**SECTION 3 - HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**
- **Eye:** May cause respiratory irritation, eye irritation, eye burns. May cause skin irritation, eye damage. May cause digestive tract irritation with nausea, vomiting, and diarrhea.
- **Health Effects:** Dust may cause mechanical irritation. May cause skin irritation. Dust is irritating to the respiratory tract. Low hazard for usual industrial handling.
- **Physical and Chemical Properties:**
  - **Physical State:** Solid
  - **Color:** Colorless to white
  - **Odor:** None
  - **PHT:** 7.0-7.5 (saturated)
  - **Vapor Pressure:** Not available
  - **Vapor Density:** Not available
  - **Evaporation Rate:** Not available
  - **Vapors/Concentration:** 1630 mg/m³
  - **Freezing/Melting Point:** 770 deg C
  - **Decomposition:** Oxidizer
  - **Solubility in Water:** 160 g/1 (30 C)
  - **Density:** 1.58
  - **Molecular Formula:** KCl
  - **Molecular Weight:** 74.55

**Flash Point:** Not available

**Explosion Limits:** Lower: N/A

**NFPA Rating:** Flammability: 0, Stability: 0

**SECTION 4 - FIRST AID MEASURES**

**Eyes:**
- Flush eyes with plenty of water for at least 15 minutes. Hold the upper and lower eyelids open. Get medical aid.

**Skin:**
- Skin contamination with water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

**Ingestion:**
- If liquid, give 2-4 cups of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

**Inhalation:**
- Remove from exposure and move to fresh air immediately. If breathing is difficult, give artificial respiration. If breathing is difficult, give artificial respiration. Get medical aid if cough or other symptoms appear.

**SECTION 5 - FIRE FIGHTING MEASURES**

**General Information:**
- In case of fire, wear a self-contained breathing apparatus in pressure-demand, MRSA/NIOSH approved or equivalent. Full protection measures shall be taken to prevent material from reaching the fire area. Use extinguishing media appropriate to the surrounding material.

**Extinguishing Media:**
- Water spray, dry chemical, carbon dioxide, or appropriate foam.

**Autoignition Temperature:** Not available.

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**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Spills/Leaks:**
- Clean up spills immediately. In the protective equipment. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

**SECTION 7 - HANDLING AND STORAGE**

**Handling:**
- Avoid prolonged or repeated contact with skin. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse. Keep dry with on hand.

**Storage:**
- Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

**SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

**Engineering Controls:**
- Use adequate ventilation to keep airborne concentrations low.

**Personal Protective Equipment**

**Eyes:**
- Wear appropriate protective glasses or chemical splash goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:**
- Wear appropriate protective gloves to prevent skin exposure.

**Clothing:**
- Wear appropriate protective clothing to prevent skin exposure.

**Respirators:**
- Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Stability and Reactivity:**
- Stable at room temperature in closed containers under normal storage and handling conditions.

**Conditions to Avoid:**
- Incompatible materials, moisture, excess heat.

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**SECTION 10 - STABILITY AND REACTIVITY**

**Chemical Stability:**
- Stable at room temperature in closed containers under normal storage and handling conditions.

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**Conditions to Avoid:**
- Incompatible materials, moisture, excess heat.
Hazardous Decomposition Products:
Chlorine, irritating and toxic fumes and gases, potassium fume.
Hazardous Polymerization: Has not been reported.

*** SECTION 11 - TOXICOLOGICAL INFORMATION ***

RTK/CAS:
CAS# 7447-40-7: TS2050000
LD50/LC50:
CAS# 7447-40-7: Dierses test, rabbit: eye, 500 mg/24H Mild; oral: mouse: LD50 = 1500 mg/kg; Oral: rat: LD50 = 2600 mg/kg.
Carcinogenicity:
Potassium Chloride - Not listed by AOCD, IARC, NMCH, NTP, or OSHA.
Epidemiology:
No Information available.
Teratogenicity:
No Information available.
Reproductive Effects:
No Information available.
Neurotoxicity:
No Information available.
Mutagenicity:
No Information available.
Other Studies:
No data available.

*** SECTION 12 - ECOLOGICAL INFORMATION ***

Ecotoxicity:
No data.

*** SECTION 13 - DISPOSAL CONSIDERATIONS ***

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.
US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

*** SECTION 14 - TRANSPORT INFORMATION ***

US DOT:
No information available.
Canadian TDG:
No information available.

*** SECTION 15 - REGULATORY INFORMATION ***

US FEDERAL:
TSCA:
CAS# 7447-40-7 is listed on the TSCA inventory.

Health & Safety Reporting List:
None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules:
None of the chemicals in this product are under a Chemical Test Rule.

Section 12(b):
None of the chemicals are listed under TSCA Section 12(b).

TSCA Significant New Use Rule:
None of the chemicals in this material have a SNUR under TSCA.

SARA:
CERCLA Hazardous Substances and corresponding RQs:
None of the chemicals in this material have an RQ.
SARA Section 302 Extremely Hazardous Substances:
None of the chemicals in this product have a TPQ.
SARA Codes:
CAS # 7447-40-7: acute:
Section 313:
No chemicals are reportable under Section 313.
Clean Air Act:
This material does not contain any hazardous air pollutants.
This material does not contain any Class I Ozone depletors.
Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA.
None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.

STATE:
Potassium Chloride is not present on state lists from CA, PA, MN, MA, FL, or NJ.

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