**SAFETY DATA SHEET**

**SUPPLIER: PRODUITS CHIMIQUES ACP CHEMICALS INC.**

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**NAME OF PRODUCT:** Potassium Chloride
**SYNONIMS:**
**CAS No:** 7447-40-7
**MOLECULAR WEIGHT:** 74.55 g/mol
**CHEMICAL FORMULA:** KCl

**SUPPLIER/MANUFACTURER AND PREPARATOR:**
Produits Chimiques ACP Chemicals, Inc.
4601 boulevard des Grandes-Prairies
St-Léonard, QC H1R 1A5
514-327-0323

**DATE**: July 8, 2016
**EMERGENCY TELEPHONE No.:** (613) 996-6666 (CANUTEC)

## SECTION 2. HAZARDS IDENTIFICATION

### Emergency Overview

### WHMIS Classification
Not Rated
Not a hazardous substance or mixture.

### HMIS Classification
**Health hazard**: 0
**Flammability**: 0
**Physical hazards**: 0

### Potential Health Effects
**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.
**Skin** May be harmful if absorbed through skin. May cause skin irritation.
**Eyes** May cause eye irritation.
**Ingestion** May be harmful if swallowed.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Potassium chloride**

| | |
|---|---|
| Formula: | KCl |
| Molecular weight: | 74.55 g/mol |
| CAS-No. | 7447-40-7 |
| EC-No. | 231-211-8 |
| Index-No. | - |
| Concentration | ≤ 100 % |

## SECTION 4. FIRST AID MEASURES

**General advice**
Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled**
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**
Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**
Flush eyes with water as a precaution.

**If swallowed**
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## SECTION 5. FIREFIGHTING MEASURES

**Suitable extinguishing media**
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for firefighters**
Wear self-contained breathing apparatus for firefighting if necessary.

**Hazardous combustion products**
No data available

**Explosion data - sensitivity to mechanical impact**
No data available

**Explosion data - sensitivity to static discharge**
No data available

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Avoid breathing dust.

**Environmental precautions**
Do not let product enter drains.

**Methods and materials for containment and cleaning up**
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

## SECTION 7. HANDLING AND STORAGE

**Precautions for safe handling**
Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.

**Conditions for safe storage**
Keep container tightly closed in a dry and well-ventilated place.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Personal protective equipment**

**Respiratory protection**
Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact
Material: Nitrile rubber

Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

**Eye protection**
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and body protection**
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures**
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Specific engineering controls**
Use mechanical exhaust or laboratory fumehood to avoid exposure.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**

| | |
|---|---|
| Form | solid |
| Colour | colourless |

**Safety data**

| | |
|---|---|
| pH | 7 |
| Melting point/range: | 770 °C (1,418 °F) |
| Boiling point | 1,500 °C (2,732 °F) |
| Flash point | No data available |
| Ignition temperature | No data available |

| | |
|---|---|
| Auto-ignition Temperature | No data available |
| Lower explosion limit | No data available |
| Upper explosion limit | No data available |
| Vapour pressure | No data available |
| Density | 1.98 g/cm$^3$ at 25 °C (77 °F) |
| Water solubility | soluble |
| Partition coefficient: n-octanol/water | No data available |
| Relative vapour Density | No data available |
| Odour | No data available |
| Odour Threshold | No data available |
| Evaporation rate | No data available |

## SECTION 10. STABILITY AND REACTIVITY

**Chemical stability**
Stable under recommended storage conditions.

**Possibility of hazardous reactions**
No data available

**Conditions to avoid**
No data available

**Materials to avoid**
Strong oxidizing agents

**Hazardous decomposition products**
Hazardous decomposition products formed under fire conditions. - Hydrogen chloride gas, Sodium oxides
Other decomposition products - No data available

## SECTION 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

**Oral LD50**
No data available

**Inhalation LC50**
No data available

**Dermal LD50**
No data available

**Other information on acute toxicity**
No data available

**Skin corrosion/irritation**
No data available

**Serious eye damage/eye irritation**
No data available

**Respiratory or skin sensitization**
No data available

**Germ cell mutagenicity**
No data available

**Carcinogenicity**
IARC: 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.

**Reproductive toxicity**
No data available

**Teratogenicity**
No data available

**Specific target organ toxicity - single exposure (Globally Harmonized System)**
No data available

**Specific target organ toxicity - repeated exposure (Globally Harmonized System)**
No data available

**Aspiration hazard**
No data available

**Potential health effects**

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.
**Ingestion** May be harmful if swallowed.
**Skin** May be harmful if absorbed through skin. May cause skin irritation.
**Eyes** May cause eye irritation.

**Signs and Symptoms of Exposure**
Vomiting, Diarrhoea, Dehydration and congestion may occur in internal organs. Hypertonic salt solutions can produce inflammatory reactions in the gastrointestinal tract. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Synergistic effects**
No data available

**Additional Information**
RTECS: TS8050000

## SECTION 12. ECOLOGICAL INFORMATION

### Toxicity

Toxicity to fish
LC50 - Pimephales promelas (fathead minnow) - 880 mg/l - 96 h
mortality NOEC - Pimephales promelas (fathead minnow) - 500 mg/l - 7 d
mortality LOEC - Pimephales promelas (fathead minnow) - 1,000 mg/l - 7 d

Toxicity to daphnia and other aquatic invertebrates
EC50 - Daphnia magna (Water flea) - > 440 mg/l - 48 h
Method: OECD Test Guideline 202

**Persistence and degradability**
No data available

**Bioaccumulative potential**
No data available

**Mobility in soil**
No data available

**PBT and vPvB assessment**
No data available

**Other adverse effects**
No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

**Product**
Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**
Dispose of as unused product.

## SECTION 14. TRANSPORT INFORMATION

**DOT (US)**
Not dangerous goods

**IMDG**
Not dangerous goods

**IATA**
Not dangerous goods

## SECTION 15. REGULATORY INFORMATION

**WHMIS Classification**
Not controlled.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

## SECTION 16. OTHER INFORMATION

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