



We Measure the World

2365 NE Hopkins Court  
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## Material Safety Data Sheet

### Potassium Chloride

### 40463

#### I – PRODUCT IDENTIFICATION

**Issue Date:** 08/29/2011  
**Formula:** Potassium Chloride  
**Concentration:** 0.5 Molal  
**Component:** KCl in H<sub>2</sub>O  
**TSCA:** YES      **TLV/TWA:** Not Established  
**STEL:** N/A      **PEL:** N/A      **Toxicity:** N/A

#### II – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name:</u>	<u>CAS Number:</u>
Potassium chloride	7447-40-7
Distilled Water	7732-18-5

#### III – HAZARD IDENTIFICATION

The hazardous properties of the product are considered to be limited.

**NFPA Ratings:** Health: 1    Flammability: 0    Reactivity: 0

#### IV – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless liquid
Odor:	Odorless
pH:	Neutral
Molecular Weight:	74.55
Boiling point:	100 °C
Vapor pressure:	N/A
Vapor density:	N/A
Freezing Point	N/A
Specific Gravity (H <sub>2</sub> O=1)	N/A
Solubility:	Complete
Flash point:	N.A.

#### V – STABILITY AND REACTIVITY

**Stable:** Yes  
**Conditions to avoid:** Metals, hydroxides, carbonates, cyanides, acids  
**Incompatibles:** Strong Oxidizing agents, acids  
**Hazardous decomposition products:** N/A



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## VI – HEALTH HAZARD DATA

**Inhalation:** Not relevant under normal working conditions.

**Skin contact:** No harmful effects known.

**Eye contact:** Splashes in the eyes may cause irritation, redness and pain.

**Ingestion:** Swallowing large amounts may cause cardio-vascular problems, over-stimulation, and / or spasms. No hazard when handled properly.

**Medical Conditions Generally Aggravated by Exposure:** None Identified

**Carcinogenicity:** NTP: No IARC: No ZLIST: No OSHA Reg: No

## VII– EMERGENCY FIRST AID PROCEDURES

### CALL A PHYSICIAN

**Inhalation:** If uncomfortable, remove person to fresh air.

**Skin contact:** Wash exposed areas with water.

**Eye contact:** Irrigate with plenty of water. Remove contact lenses, if any

**Ingestion:** Do not induce vomiting, if conscious give water, milk

## VIII – FIRE-FIGHTING MEASURES

**Extinguishing media:** Use Appropriate

**Special Fire-Fighting Procedures:** Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face-piece operated in positive mode.

**Auto Ignition Temperature:** N/A **Lower Explosion Level:** N/A **NFPA Rating:** N/A

**Toxic Gases Produced:** N/A **Unusual Fires Explosion Hazards:** N/A

## IX – HANDLING AND STORAGE

**Handling:** Observe good industrial hygiene practices.

**Storage:** Store in closed original bottle. Keep container tightly closed

**In Case of Spillage or Discharge:** Remove source of ignition if hydrogen is a hazard. Provide optimum ventilation. Flush to holding area for neutralization.

**Disposal of spillages and waste:** Follow Federal, State, and Local regulations for waste.

**EPA Hazardous Waste #:** N/A

## X – EXPOSURE CONTROL/PERSONAL PROTECTION

**Ventilation:** Local Exhaust.

**Respiratory Protection:** NIOSH approved respirator.

**Personal protection:** If there is a risk of splashing, use goggles with side shields. Use proper protective gloves

**Other:** Lab coat/apron; vent hood

## NOTICE

The data and information as stated was furnished by the manufacturer of the product. Decagon Devices Inc products are intended for laboratory use only. All products should be handled and used by trained professional personnel only. The responsibility for the safe handling and use of these products rest solely with the buyer and/or user.