



# Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS)

## SECTION 1: Identification

### 1.1 Product Identifier

Potassium chloride solution, 3.8M

**Other Identifying Product Numbers:** 05992-47

### 1.2 Recommended Use and Restrictions on Use

Electrode Filling Solution.

### 1.3 Details of the Supplier of the Safety Data Sheet

**Company:** Cole-Parmer Instrument Company

**Address:** 625 East Bunker Court

Vernon Hills, IL 60061 USA

**Telephone:** 800-323-4340

### 1.4 Emergency Telephone Number

Van London Company: 832-456-6641

## SECTION 2: Hazard(s) Identification

### 2.1 Classification of the Substance or Mixture

**Classification according to GHS-US**

Not classified as a hazardous chemical

### 2.2 GHS Label Elements

None Required

### 2.3 Hazards not Otherwise Classified or Covered by GHS

None identified

## SECTION 3: Composition / Information on Ingredients

### 3.1 Components of Substance or Mixture

Chemical Name	CAS Number	Weight %
Water	7732-18-5	71.7
Potassium chloride	7447-40-7	28.3

## SECTION 4: First-Aid Measures

### 4.1 General First Aid Information

**Eye Contact:** Flush eyes with plenty of water as a precaution.

**Inhalation:** Move person into fresh air. If not breathing, give artificial respiration.

**Skin Contact:** Wash off with soap and plenty of water.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water.



## Safety Data Sheet

### 4.2 Most Important Symptoms and Effects, Acute and Delayed

Data not available

### 4.3 Medical Attention or Special Treatment Needed

Not expected to require special treatment.

## SECTION 5: Fire-Fighting Measures

### 5.1 Extinguishing Media

Substance is nonflammable; use agent most appropriate to extinguish surrounding fire.

### 5.2 Specific Hazards Arising from the Substance or Mixture

Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes

### 5.3 Special Protective Equipment for Firefighters

Use protective clothing and breathing equipment appropriate for the surrounding fire.

## SECTION 6: Accidental Release Measures

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Keep unprotected persons away.

### 6.2 Cleanup and Containment Methods and Materials

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## SECTION 7: Handling and Storage

### 7.1 Precautions for Safe Handling and Storage Conditions

**Handling:** Avoid contact with eyes. Avoid inhalation of vapour or mist. Wash hands thoroughly after handling.

**Storage:** Keep container tightly closed and upright in a dry and well-ventilated place. Store at ambient or lower temperature. Protect against physical damage.

## SECTION 8: Exposure Controls / Personal Protection

### 8.1 Control Parameters

Contains no substances with occupational exposure limit values

### 8.2 Exposure Controls

**Engineering Controls:** No specific controls are needed. Normal room ventilation is adequate.

### 8.3 Personal Protective Equipment

**Eye Protection:** Safety glasses or goggles.

**Respiratory Protection:** No protective equipment is needed under normal use conditions

**Skin Protection:** Chemical resistant gloves



## Safety Data Sheet

### SECTION 9: Physical and Chemical Properties

#### 9.1 Basic Physical and Chemical Properties

**Appearance:** Clear, colorless liquid

**Physical State:** Liquid

**Odor:** None

**Odor Threshold:** Data not available

**pH:** 5.5 - 8.0

**Melting/Freezing Point:** -4°C

**Initial Boiling Point/Range:** 104°C

**Flash Point:** Data not available

**Evaporation Rate:** > 1 (Ether = 1.0)

**Flammability:** Data not available

**Flammability/Explosive Limits:** Data not available

**Vapor Pressure:** 14 mmHg

**Vapor Density:** 0.7

**Relative Density:** 1.120 g/cm<sup>3</sup> at 20°C (68°F)

**Solubility:** Miscible

**Partition Coefficient:** Data not available

**Auto-Ignition Temperature:** Data not available

**Decomposition Temperature:** Data not available

**Viscosity:** Data not available

**Explosive Properties:** Data not available

**Oxidizing Properties:** Data not available

### SECTION 10: Stability and Reactivity

#### 10.1 Reactivity and Chemical Stability

Stable under normal conditions of use and storage

#### 10.2 Possibility of Hazardous Reactions

None under normal processing.

#### 10.3 Conditions to Avoid and Incompatible Materials

Excess heat.

#### 10.4 Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors.

### SECTION 11: Toxicological Information

#### 11.1 Information on Toxicological Effects

**Acute Toxicity - Oral Exposure:**

No data available.

**Acute Toxicity - Dermal Exposure:**

No data available.

**Acute Toxicity - Inhalation Exposure:**

No data available.



## Safety Data Sheet

**Acute Toxicity - Other Information:**

No data available.

**Skin Corrosion and Irritation:**

No data available.

**Serious Eye Damage and Irritation:**

No data available.

**Respiratory Sensitization:**

No data available.

**Skin Sensitization:**

No data available.

**Germ Cell Mutagenicity:**

No data available.

**Carcinogenicity:**

No data available.

**Reproductive Toxicity:**

No data available.

**Specific Target Organ Toxicity from Single Exposure:**

None Known

**Specific Target Organ Toxicity from Repeated Exposure:**

None Known

**Aspiration Hazard:**

No data available.

**Additional Toxicology Information:**

The toxicological properties have not been fully investigated.

### SECTION 12: Ecological Information

**12.1 Ecotoxicity**

Data not available.

**12.2 Persistence and Degradability**

Soluble in water. Persistence is unlikely based on information available

**12.3 Bioaccumulative Potential**

Data not available.

**12.4 Mobility in Soil**

Will likely be mobile in the environment due to its water solubility.

**12.5 Other Adverse Ecological Effects**

Data not available.

### SECTION 13: Disposal Considerations

**13.1 Waste Treatment Methods**

Observe all federal, state and local environmental regulations when disposing of this material.

Small quantities can be disposed of with household waste.



## Safety Data Sheet

### SECTION 14: Transportation Information

#### 14.1 Transportation by Land-Department of Transportation (DOT, United States of America)

Not regulated according to DOT Regulations.

### SECTION 15: Regulatory Information

#### 15.1 Occupational Safety and Health Administration (OSHA) Hazards

Not listed.

#### 15.2 Superfund Amendments and Reauthorization Act (SARA) 302 Extremely Hazardous Substances

Not listed.

#### 15.3 Superfund Amendments and Reauthorization Act (SARA) 311/312 Hazardous Chemicals

Not listed.

#### 15.4 Superfund Amendments and Reauthorization Act (SARA) 313 Toxic Release Inventory (TRI)

Not listed.

#### 15.5 Massachusetts Right-to-Know Substance List

Not listed.

#### 15.6 Pennsylvania Right-to-Know Hazardous Substances

Not listed.

#### 15.7 New Jersey Worker and Community Right-to-Know Components

Not listed.

#### 15.8 California Proposition 65

Not listed.

#### 15.9 Canada Domestic Substances List / Non-Domestic Substances List (DSL/NDSL)

Potassium chloride [7447-40-7]. This substance is on the DSL.

#### 15.10 United States of America Toxic Substances Control Act (TSCA) List

Water [7732-18-5]. This substance is listed.

Potassium chloride [7447-40-7]. This substance is listed.

#### 15.11 European Inventory of Existing Commercial Chemical Substances (EINECS), European List of Notified Chemical Substances (ELINCS), and No Longer Polymers (NLP)

Potassium chloride [7447-40-7]. This substance is listed.



## Safety Data Sheet

### SECTION 16: Other Information

#### 16.1 Miscellaneous Hazard Classes

Canadian Carcinogenicity Hazard Class: Not Applicable.

Physical Hazards Nor Otherwise Classified (PHNOC): Not Applicable.

Health Hazards Not Otherwise Classified (HHNOC): Not Applicable.

Biohazardous Infectious Materials Hazard Class: Not Applicable.

#### 16.2 Hazardous Materials Identification System (HMIS) Rating

Chemical Name	
Health	0
Flammability	0
Physical Hazard	0

- 0 - Minimal Hazard
- 1 - Slight Hazard
- 2 - Moderate Hazard
- 3 - Serious Hazard
- 4 - Severe Hazard

#### 16.3 Document Revision

Last Revision Date: 05/07/2019

### DISCLAIMER

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and COLE-PARMER INSTRUMENT COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.