



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name:

KAC-200, Liquid Potassium Acetate Additive

Revision Number:

4.0

Synonyms:

Potassium Acetate Solution

Use of the Substance / Preparation:

Potassium Acetate Electrolyte Additive for Hemodialysis Concentrate

Company Name:

Di-Chem, Inc.
12297 Ensign Ave N
Champlin, MN 55316
763-422-8311

Emergency response telephone number:

CHEMTREC (US): 1-800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview:

Warning. Irritating to eyes. Irritating to skin.

Appearance:
Aqueous Solution

Physical State:
Clear Liquid

Odor:
Odorless to Slight Vinegar

GHS Classification:

Serious Eye Damage / Eye Irritation

Category 2

Skin Corrosion / Irritation

Category 2

Hazards Not Otherwise Classified

None

GHS Label Elements:

Signal Word:

Warning

GHS Hazard Pictogram(s):



Hazard Statement(s):

H319 Causes serious eye irritation.
H315 Causes skin irritation.

Precautionary Statement(s):

P351 If in eyes: Rinse cautiously with water for several minutes.
P313 If eye irritation persists: Get medical advice.
P264 Wash exposed skin thoroughly after handling.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name: | Molecular Formula: | CAS-No: | Weight %: |
|-------------------|---|-----------|-----------|
| Potassium Acetate | KC ₂ H ₃ O ₂ | 127-08-2 | 58 |
| Water | H ₂ O | 7732-18-5 | 42 |

4. FIRST AID MEASURES

| | |
|----------------------------|---|
| Eye Contact: | Immediately flush eyes with plenty of water. If symptoms persist, call a physician. |
| Skin Contact: | Wash off exposed area with soap and plenty of water. If skin irritation persists, call a physician. |
| Ingestion: | Rinse mouth and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician. |
| Inhalation: | Move to fresh air. If symptoms persist, call a physician. |
| Note to Physicians: | Treat symptomatically. |

5. FIRE-FIGHTING MEASURES

Flammable Properties:

Not Flammable.

Extinguishing Media:

Dry chemical; Carbon dioxide (CO₂); Water spray; Foam.


Unsuitable Extinguishing Media:

No information available.

Protective Equipment and Precautions for Firefighters:

In the event of a fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

| | | | | |
|---------------------------------|---|------------------------|------------|---|
| Health | 1 | Flammability | 1 |  |
| Stability and Reactivity | 0 | Physical hazard | None known | |

6. ACCIDENTAL RELEASE MEASURES

| | |
|-----------------------------------|---|
| Personal Precautions: | Avoid contact with skin and eyes. Use with adequate ventilation. Use personal protective equipment. |
| Environmental Precautions: | Prevent further leakage or spillage if safe to do so. |
| Methods for Clean up: | Clean up and transfer to properly labeled containers. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. For disposal information see section 13. |

7. HANDLING AND STORAGE

| | |
|------------------|---|
| Handling: | Wear personal protective equipment. Avoid contact with skin and eyes. Use in areas provided with appropriate ventilation. |
| Storage: | Keep containers tightly closed in a dry, cool, and well-ventilated place. Keep away from incompatible substances. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Contains no substances with occupational exposure limit values.

OSHA - Permissible exposure limit (PEL): Not Established

ACGIH - Threshold limit value (TLV): Not established

General Hygiene Considerations:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Engineering Controls:

Adequate ventilation. Eyewash stations.

Personal Protective Equipment (PPE)

| | |
|----------------------------------|--|
| Eye/Face Protection: | Safety glasses or goggles. |
| Skin and Body Protection: | If irritation is experienced wear gloves and suitable protective clothing to avoid skin contact. |
| Respiratory Protection: | If irritation is experienced wear a NIOSH-approved mask/respirator. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------|------------------------------|
| Appearance | Aqueous Solution |
| Physical State | Liquid |
| Odor | Odorless to slightly vinegar |
| Odor Threshold | No data available |
| pH | No data available |

| | |
|-------------------------------------|------------------------------------|
| Dissociation Constants (pKa) | No data available |
| Flash Point | No data available |
| Autoignition Temperature | No data available |
| Boiling point | No data available |
| Melting/Freezing Point | No data available |
| Decomposition temperature | No data available |
| Oxidizing Properties | No data available |
| Flammability Limits in Air | No data available |
| Explosion Limits | No data available |
| Solubility(ies) | |
| Water Solubility | Soluble in water |
| Surface Tension | No data available |
| Evaporation Rate | No data available |
| Vapor Pressure | No data available |
| Vapor Density | No data available |
| Density | No data available |
| Relative Density | 1.315-1.335 |
| Bulk Density | No data available |
| Viscosity | No data available |
| Explosive Properties | Not considered an explosive hazard |

10. STABILITY AND REACTIVITY

Stability: Not applicable. Stable under normal conditions.

Conditions to Avoid: Heat. Exposure to moisture. Incompatibles.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: May produce carbon oxides.

11. TOXICOLOGICAL INFORMATION

Product Information:

Acute Toxicity: 0% of the mixture consists of ingredient(s) of unknown toxicity. The following values are calculated based on chapter 3.1 of the GHS document.

| Chemical Name | Oral LD ₅₀ : | Dermal LD ₅₀ : | LC ₅₀ (Lethal Concentration): |
|-------------------|-------------------------|---------------------------|--|
| Potassium Acetate | 3,250 mg/kg (Rat) | | |

Chronic Toxicity:

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not classified for aquatic toxicity. Contains no substances known to be hazardous to the environment.

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Daphnia (Water flea) |
|-------------------|-------------------|---------------------------------------|----------------------------------|
| Potassium Acetate | | 6800mg/L 96h Oncochinchus mykiss LC50 | 7170mg/L 24h EC 50 |

Persistence/Degradability: No data available.

Mobility: Soluble in water.

Bioaccumulation: No data available.

13. DISPOSAL CONSIDERATIONS

Waste from Residues/Unused Products: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Packaging: Empty containers should be decontaminated and taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

DOT – Not Regulated
TDG – Not Regulated
MEX – Not Regulated
ICAO – Not Regulated
IATA – Not Regulated
IMDG/IMO – Not Regulated

15. REGULATORY INFORMATION

International Inventories:

All of the components in the product are on the following Inventory lists:

| Chemical Name | TSCA | DSL | NDSL | EINECS | ELINCS | AICS | ENCS ISHL | CHINA | PICCS | KECL | NZLoC |
|------------------|------|-----|------|--------|--------|------|-----------|-------|---------|----------|-------|
| Calcium Chloride | Yes | Yes | - | Yes | - | Yes | Yes | Yes | Present | KE-29069 | Yes |

US Federal Regulations:

CERCLA:

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals, which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization:

| | |
|-----------------------------------|----|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

US State Regulations:

California Proposition 65: This product does not contain any Proposition 65 chemicals.

No known components subject to "Right-To-Know" legislation in the following States: Massachusetts, Minnesota, New Jersey, Pennsylvania.

16. OTHER INFORMATION

Prepared By: Di-Chem, Inc.

Original Preparation Date: 14-May-2015

Revision Date: 01-December-2025

Revision Number: 4.0 - This version replaces all previous versions.

HMIG Rating

Health: 1

Flammability: 0

Reactivity: 0

Personal Protection: B

Disclaimer:

Please be advised that it is your responsibility to inform your employees of the hazards of this substance, to advise them of what these properties mean and be sure they understand exposure information. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification.

END OF SAFETY DATA SHEET