



## SAFETY DATA SHEET

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name Potassium Chloride Saturated Solution

CAS number 7447-40-7

Synonyms No information available

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Laboratory Chemicals

#### 1.3 Details of the supplier of the safety data sheet

Company Lab Alley, LLC  
12501 Pauls Valley Road  
Austin, Texas 78737  
U.S.A.

Telephone 512-668-9918

Fax 512-886-4008

#### 1.4 Emergency telephone

|                   |                              |          |
|-------------------|------------------------------|----------|
| Emergency Phone # | US & Canada: 1-800-535-5053  | INFOTRAC |
|                   | International 1-352-323-3500 | INFOTRAC |

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### 2.2 GHS Label elements, including precautionary statements

None required.

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Toxic to terrestrial vertebrates. This product does not contain any known or suspected endocrine disruptors.

## SECTION 3: Composition/information on ingredients

### 3.1 Components

| Chemical name      | Common name and synonyms | CAS number | Concentration |
|--------------------|--------------------------|------------|---------------|
| Potassium Chloride | No information available | 7447-40-7  | 29.5 - 30.5%  |
| Water              | H2O                      | 7732-18-5  | 69.5 - 70.5%  |

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

#### General advice

|                                |                                                                                                                         |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>If inhaled</b>              | Remove to fresh air. Get medical attention immediately if symptoms occur.                                               |
| <b>In case of skin contact</b> | Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur. |
| <b>In case of eye contact</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.         |
| <b>If swallowed</b>            | Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.                   |

### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

Note to Physician: Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

|                                       |                                                                 |
|---------------------------------------|-----------------------------------------------------------------|
| <b>Suitable extinguishing media</b>   | Water spray. Carbon dioxide (CO2). Dry chemical. Chemical foam. |
| <b>Unsuitable extinguishing media</b> | No information available.                                       |

### 5.2 Specific hazards arising from the substance or mixture

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

### 5.3 Special protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 5.4 Further information

**Flash Point** No information available.

**Autoignition Temperature** No information available.

#### Explosion limits

**Upper** No information available.

**Lower** No information available.

**Sensitivity to Mechanical Impact** No information available.

**Sensitivity to Static Discharge** No information available.

#### NFPA

| Health | Flammability | Instability | Physical hazards |
|--------|--------------|-------------|------------------|
| 1      | 0            | 1           | N/A              |

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

### 6.2 Environmental precautions

See Section 12 for additional Ecological Information.

### 6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

See Section 2 for full list of hazard and precaution statements.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breathe mist/vapors/spray.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage conditions**

Keep in a dry, cool and well-ventilated place. Keep container tightly closed.

**Incompatibilities**

No information available.

**SECTION 8: Exposure controls/personal protection****8.1 Occupational exposure limits**

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**8.2 Exposure controls****Appropriate engineering controls**

None under normal use conditions.

**Personal protective equipment****Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin protection**

Wear appropriate protective gloves.

**Body Protection**

Wear appropriate clothing to prevent skin exposure.

**Respiratory protection**

No protective equipment is needed under normal conditions.

**Control of environmental exposure**

Do not let product enter drains.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

|                |                           |
|----------------|---------------------------|
| Physical State | Liquid                    |
| Appearance     | Colorless                 |
| Odor           | No information available. |
| Odor Threshold | No information available. |
| pH             | No information available. |

|                                           |                           |
|-------------------------------------------|---------------------------|
| Melting Point/Range                       | No information available. |
| Boiling Point/Range                       | No information available. |
| Evaporation Rate                          | No information available. |
| Flammability (solid)                      | Not applicable.           |
| Flammability or explosive limit           |                           |
| Upper                                     | No information available. |
| Lower                                     | No information available. |
| Vapor Pressure                            | No information available. |
| Vapor Density                             | No information available. |
| Density                                   | 1.175                     |
| Solubility                                | Soluble in water.         |
| Partition coefficient;<br>n-octanol/water | No information available. |
| Autoignition Temp                         | No information available. |
| Decomposition Temp                        | No information available. |
| Viscosity                                 | No information available. |
| Molecular Formula                         | KCl                       |
| Molecular Weight                          | 74.56                     |
| VOC Content(%)                            | No information available. |
| Oxidizing properties                      | None.                     |

**9.2 Other safety information** No information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None known, based on information available.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

Incompatible products.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

None under normal use conditions.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Product Information, Component Information

##### Acute toxicity

| Component          | LD50 Oral        | LD50 Dermal               | LC50 Inhalation           |
|--------------------|------------------|---------------------------|---------------------------|
| Potassium Chloride | 2600 mg/kg (rat) | No information available. | No information available. |

##### Skin corrosion/irritation

No information available.

##### Serious eye damage/eye irritation

No information available.

##### Respiratory or skin sensitization

No information available.

##### Germ cell mutagenicity

No information available.

##### Carcinogenicity

| Component          | CAS       | IARC       | NTP        | ACGIH      | OSHA       | Mexico     |
|--------------------|-----------|------------|------------|------------|------------|------------|
| Potassium chloride | 7747-40-7 | Not listed | Not listed | Not listed | Not listed | Not listed |

##### Specific target organ toxicity - single exposure

No information available.

##### Specific target organ toxicity - repeated exposure

No information available.

##### Reproductive toxicity

No information available.

##### Chronic effects

No information available.

### 11.2 Additional Information

The toxicological properties have not been fully investigated.

## SECTION 12: Ecological information

## 12.1 Toxicity

| Product            |      | Species             | Test Result           |
|--------------------|------|---------------------|-----------------------|
| Potassium Chloride | LC50 | Lepomis macrochirus | 1060 mg/L, 96 h       |
|                    | LC50 | Pimephales promelas | 750 - 1020 mg/L, 96 h |
|                    | EC50 | Water flea          | 825 mg/L, 48 h        |
|                    | EC50 | Freshwater algae    | 2500 mg/L, 72 h       |

## 12.2 Persistence and degradability

Soluble in water. Persistence is unlikely, based on information available.

## 12.3 Bio accumulative potential

Bioaccumulation is unlikely.

## 12.4 Mobility in soil

The product is water soluble, and may spread in water systems. Will likely be mobile in the environment due to its water solubility. Highly mobile in soils.

## 12.5 Results of PBT and vPvB assessment

No information available.

## 12.6 Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors.

## 12.7 Other adverse effects

No information available.

# SECTION 13: Disposal considerations

## 13.1 Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

# SECTION 14: Transport information

**DOT (US)** Not regulated.

**IMDG** Not regulated.

**IATA** Not regulated.

# SECTION 15: Regulatory information

## **US federal regulations**

### **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not listed.

### **CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

### **SARA 304 Emergency release notification**

Not regulated.

### **OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

## **Superfund Amendments and Reauthorization Act of 1986 (SARA)**

### **SARA 302 Extremely hazardous substance**

Not listed.

### **SARA 311/312 Hazardous**

Not listed.

### **SARA 313 (TRI reporting)**

Not regulated.

## **Other federal regulations**

### **Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

### **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

### **Safe Drinking Water Act**

Not regulated.

### **FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace**

Not listed.

## **US state regulations**

### **US. Massachusetts RTK - Substance List**

Not listed.

### **US. New Jersey Worker and Community Right-to-Know Act**

Listed. Component: Potassium Chloride

**US. Pennsylvania Worker and Community Right-to-Know Law**

Listed. Component: Potassium Chloride

**California Proposition 65**

Not listed.

**SECTION 16: Other information**

Date of Issue: 9/18/2024

Revision Date: 10/28/2026

**SECTION 17: Disclaimer**

The information provided on 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. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.