



PVS Global Trade Private Limited

Address: No: 7 / 609-8B, NGO Colony,
Kadapa – 516002, Andhra Pradesh, India

Website: www.pvschemicals.in

Potassium Chloride

Safety Data Sheet

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

1.1. Product identifier

Product form : Substance (powder/ crystals)
Substance name : Potassium Chloride
CAS No : 7447-40-7
Product code : LC18790
Formula : KCl

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

Use of the substance/mixture : For laboratory and manufacturing use only.

1.3. Details of the supplier of the safety data sheet

PVS GLOBAL TRADE PRIVATE LIMITED,
No: 7 / 609-8B, NGO Colony,
– 516002, Andhra Pradesh, India

1.4. Emergency telephone number

Emergency number : +91 99 6660 2105

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labelling

No labelling applicable

2.3. Other hazards

Other hazards not contributing to the classification : None.

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : Mono-constituent

Name	Product identifier	%	GHS-US classification
Potassium Chloride (Main constituent)	(CAS No) 7447-40-7	100	Not classified

Full text of H-phrases: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Assure fresh air breathing. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

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

Obtain medical assistance.

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SECTION 5: Firefighting measures

5.1.

Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand. Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.

Explosion hazard : Not applicable.

Reactivity : None.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1.1. For non-emergency personnel

Protective equipment : Safety glasses.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

Environmental precautions

6.2.

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

6.4.

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : incompatible materials. Keep container closed when not in use.

Incompatible products : silver nitrate. Strong oxidizers. Strong acids.

Incompatible materials : None known.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

- Personal protective equipment : Avoid all unnecessary exposure.
- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Respiratory protection : Wear appropriate mask.
- Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

- Physical state : Solid
- Appearance : Crystalline powder. Molecular mass : 74.54 g/mol
- Colour : White.

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Odour	: odorless.
Odour threshold	: No data available
pH solution	: No data available
pH solution	: 5.4 - 8.6 5% @ 25°C
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 770 °C
Freezing point	: No data available
Boiling point	: 1420 °C
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.987 g/cm ³
Solubility	: Soluble in water. Soluble in glycerol. Soluble in ethanol. Water: 357 g/l Ethanol: 0.4 g/100ml Organic solvent:7.2 g/100ml glycerol
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Not applicable.
Oxidising properties	: None.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

Reactivity

10.1.

None.

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

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10.4.

Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5.

Incompatible materials

Strong acids. silver nitrate. Strong oxidizers.

10.6.

Hazardous decomposition products

Hydrogen chloride. Potassium oxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

: Not classified

Potassium Chloride (\f)7447-40-7	
LD50 oral rat	mg/kg

Skin corrosion/irritation

: Not classified

Serious eye damage/irritation

: Not classified

Respiratory or skin sensitisation

: Not classified

Germ cell mutagenicity

: Not classifiedBased on available data, the classification criteria are not met

Carcinogenicity

: Not classified

Reproductive toxicity

: Not classifiedBased on available data, the classification criteria are not met

EN (English)

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Specific target organ toxicity (single exposure)

: Not classified

Specific target organ toxicity (repeated

: Not classifiedBased on available data, the classification criteria are not met

exposure)

Aspiration hazard

: Not classifiedBased on available data, the classification criteria are not met

Potential Adverse human health effects and

: Based on available data, the classification criteria are not met.

symptoms

Persistence and degradability

Not established.

12.3. Bioaccumulative potential

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Potassium Chloride (7447-40-7)

Bioaccumulative potential

Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information

: Avoid release to the environment.

SECTION 13: Disposal considerations

12.2. Persistence and degradability

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SECTION 12: Ecological information

12.1. Toxicity

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EC50 Daphnia 1

825 mg/l

13.1.

Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Additional information

Other information

: No supplementary information available.

Overland transport

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

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In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

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EU-Regulations

No additional information available

15.1. US Federal regulations

Potassium Chloride (7447-40-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International

regulations CANADA

Potassium Chloride (7447-40-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification

Uncontrolled product according to WHMIS classification criteria

Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC Not classified

15.2.2. National regulations

Not listed on the Canadian Ingredient Disclosure List

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15.3. US State regulations

No additional information available

SECTION 16: Other information

Indication of changes : Revision - See : *

Other information : None.

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

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HMIS III Rating

Health	: 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability	: 0 Minimal Hazard
Physical	: 0 Minimal Hazard
Personal Protection	: A

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