

Material Safety Data Sheet Potassium Lactate

Section 1: Chemical Product and Company Identification

Product Name : Potassium Lactate
Chemical Formula : $C_3H_5KO_3$
Company Identification : Tradeasia International Pte Ltd
Email : contact@chemtradeasia.com

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS#	% by Weight
Potassium Lactate	996-31-6	58.0 – 62.0

Section 3: Hazards Identification

GHS Classification

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

GHS Label elements, including precautionary statements

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

Other hazards - none

Section 4: First Aid Measures

Eye Contact: Immediately hold eyelids apart and flush eyes with plenty of water at least 15 minutes. If irritation persists, call a physician.

Skin Contact: Immediately remove all contaminated clothing, including footwear. flush skin and hair with plenty of water or tepid water.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration.

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

Section 5: Firefighting Measures

Suitable Fire Fighting Media: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Hazards, arising from substance or mixture: Carbon oxides, Potassium oxides.

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Section 6: Accidental Release Measures

Personal precautions: Wear personal protective equipment, Avoid breathing vapors, mist or gas.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling: Keep the container well when handling. Handle the materials on clean clothes and in a cleaned room.

Packaging material: Polyethylene plastic containers etc.

Conditions for safe storage, including any incompatibilities: Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Personal Protection: Wear personal protective equipment. Avoid contact with skin and eyes.

Hygiene Measures: Set up safety shower, hands washer and eyes washer nearby handling the materials. Indicate the positions distinctly. When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

Section 9: Physical and Chemical Properties

Physical state and appearance	: Clear liquid
Odor	: Not available.
Taste	: Not available.
Molecular Weight	: 128.17 g/mole
Color	: Colorless
pH (1% soln./water)	: 6.5 – 8.5
Boiling Point	: 115 °C (239 °F)
Melting Point	: Not available.
Flash Point	: Not available.
Relative Density	: 1.33 g/cm ³
Vapor Pressure	: Not applicable.
Vapor Density	: Not available.
Volatility	: Not available.
Odor Threshold	: Not available.
Viscosity	: 24 – 26 mPa.s (at 20 °C)
Ionicity (in Water)	: Not available.
Dispersion Properties	: See solubility in water.
Solubility	: Easily soluble in water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Carbon oxides, Potassium oxides.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.

Acute toxicity: Not available.

Carcinogenicity: Bacterial mutagenicity test: Negative

Local effects: May cause eye irritation with susceptible persons.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Mobility: Completely soluble, readily biodegradable does not occur hazardous polymerization.

Chemical Oxygen Demand (COD): 0.47 g O₂/g

Section 13: Disposal Considerations

Contaminated packaging: Decontaminate empty containers with water, dilute with water and flush to waste system. Recycle containers if possible.

Further information: Treatment, storage, transportation, and disposal must be in accordance with local regulations.

Section 14: Transport Information

Sticking properly on label, indicating material name, lot No., net weight etc. The materials transportation by vehicles, the sender serves deliverers with instructions for safe handling. In transportation confirm leak less of the container, and load the materials not to upset, fall and damage. Secure preventing the load from falling.

Section 15: Other Regulatory Information

AICS: Not in compliance with the inventory - Potassium (S)-lactate

DSL: This product contains the following components listed on the Canadian NDSL. All other components are on the Canadian DSL. - Potassium (S)-lactate

ENCS: Not in compliance with the inventory - Water

ISHL: Not in compliance with the inventory - Water

KECI: Not in compliance with the inventory - Potassium (S)-lactate

NZIoC: Not in compliance with the inventory - Potassium (S)-lactate

PICCS: Not in compliance with the inventory - Potassium (S)-lactate

Section 16: Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Tradeasia International Pte. Ltd. Be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Tradeasia International Pte. Ltd. has been advised of the possibility of such damages.