

Material Safety Data Sheet Potassium Ethyl Xanthate

Section 1: Chemical Product and Company Identification

Product Name : Potassium Ethyl Xanthate
Chemical Formula : $C_3H_5KOS_2$
Company Identification : Tradeasia International Pte Ltd
Email : contact@chemtradeasia.com

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS#	% by Weight
Potassium Ethyl Xanthate	140-89-6	100

Toxicological Data on Ingredients: Potassium Ethyl Xanthate LD50: 683 mg/kg (oral, rats). LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:

Irritating to skin, eyes, and respiratory system. May have harmful effects if inhaled or swallowed.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. IMMEDIATELY flush Eyes with running water for at least 15 minutes while keeping eyes open. COLD water may be used. Seek medical attention.

Skin Contact:

After contact with skin, wash with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. COLD water may be used. Cover the irritated skin with an emollient. Seek medical attention. Wash any contaminated clothing before reusing.

Serious Skin Contact: Not available.

Inhalation: Remove victim from source of exposure to fresh air. If breathing is difficult administer oxygen. Seek medical attention.

Serious Inhalation: Not available.

Ingestion: Do not induce vomiting. Give water to victim to drink. Seek medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: 96 °C

Flammable Limits: Not applicable.

Products of Combustion: Carbon monoxide and carbon dioxide, Sulfur oxides (SO_x).

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Carbon dioxide, dry chemical powder, alcohol or polymer foam.

Special Remarks on Fire Hazards: Keep ignition sources away.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Wear appropriate respirator, rubber boots and heavy rubber gloves. Scoop up and place in an appropriate container. Ventilate area and wash spill site after pickup is complete. Wash skin immediately with plenty of water. Absorb on sand or vermiculite and place in closed containers for disposal.

Large Spill: Dissolve in or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Section 7: Handling and Storage

Precautions:

Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Keep away from incompatibles such as oxidizing agents, metals, alkalis.

Storage: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Store under inert gas. Light sensitive.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:

Safety glasses with side-shields. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Protective Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance	: Solid.
Odor	: Unpleasant.
Taste	: Not available.
Molecular Weight	: 160.30 g/mole
Color	: Pale yellow
pH (1% soln./water)	: Not available.
Boiling Point	: Decomposes
Melting Point	: 213°C (415.4°F)

Critical Temperature	: Not available.
Specific Gravity	: 1.26 (Water = 1)
Bulk Density	: Not available.
Vapor Pressure	: Not applicable.
Vapor Density	: Not available.
Volatility	: Not available.
Odor Threshold	: Not available.
Water/Oil Dist. Coeff.	: Not available.
Ionicity (in Water)	: Not available.
Dispersion Properties	: Not available.
Solubility	: Not available.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Dust generation, incompatible materials.

Incompatibility with various substances: Reactive with strong oxidizing agents, strong acids, and strong bases.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Ammonia is liberated simultaneously from ammonium aluminum alkali hydroxides, and carbonates. Borax and lime water precipitate aluminum hydroxide from solution of aluminum. Incompatible with aluminum and copper.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: LD50: Oral 1700 mg / kg (rat). LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: Irritant to skin. Eyes: Causes eye irritation. Inhalation: Causes respiratory tract irritation. Ingestion: May be harmful if swallowed. Chronic Potential Health Effects: Affects liver and kidney. The toxicological properties of this substance have not been fully investigated.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Xanthates.

Other Regulations: Not available.

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC): R22-Harmful if swallowed. R36/37/38-Irritating to eyes, respiratory system and skin. S24/25-Avoid contact with skin and eyes. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 1

Reactivity: 1

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 1

Reactivity: 1

Specific hazard:

Protective Equipment: Impervious Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety goggles.

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.