

## Material Safety Data Sheet Potassium Isobutyl Xanthate

### Section 1: Chemical Product and Company Identification

Product Name : Potassium Isobutyl Xanthate  
Chemical Formula :  $C_5H_9KOS_2$   
Company Identification : Tradeasia International Pte Ltd  
Email : contact@chemtradeasia.com

### Section 2: Composition and Information on Ingredients

Composition:

Name	CAS#	% by Weight
Potassium Isobutyl Xanthate	13001-46-2	100

Toxicological Data on Ingredients: Potassium Isobutyl Xanthate LD50: Not available. LC50: Not available.

### Section 3: Hazards Identification

**Potential Acute Health Effects:** Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).

**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:** If contact with eyes has been made, rinse eyes thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin Contact:** If contact with the skin has occurred, remove contaminated clothing immediately and wash skin thoroughly with soap and lots of water.

**Serious Skin Contact:** Not available.

**Inhalation:** Remove victim from area of exposure. Move the victim to fresh air immediately. Remove contaminated clothing and loosen remaining clothing. Apply artificial respiration if patient is not breathing. Seek immediate medical advice.

**Serious Inhalation:** Not available.

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

**Serious Ingestion:** Not available.

### Section 5: Fire and Explosion Data

**Flammability of the Product:** Not available.

**Auto-Ignition Temperature:** Unknown.

**Flash Points:** 51.7°C

**Flammable Limits:** Not available.

**Products of Combustion:** Carbon oxides, Sulphur oxides, Potassium oxides.

**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:** Use carbon dioxide, dry chemical, or foam to extinguish. Avoid using water if dry xanthates nearby can get wet.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

#### Section 6: Accidental Release Measures

**Small Spill:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

**Large Spill:** Collect and seal in properly labelled containers or drums for disposal. Use non-sparking tools. Thoroughly flush the area with water. Prevent contamination of drains or waterways. Absorb runoff with sand or similar.

#### Section 7: Handling and Storage

**Precautions:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection..

**Storage:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

#### Section 8: Exposure Controls/Personal Protection

##### Engineering Controls:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

##### Personal Protection:

Safety glasses with side-shields. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. 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	: Pungent.
Taste	: Not available.
Molecular Weight	: 188.35 g/mole
Color	: Slight yellow or yellow
pH (1% soln./water)	: Not available.
Boiling Point	: 161.8 °C (at 760 mmHg)
Melting Point	: Not available.
Flash Point	: 51.7 °C
Specific Gravity	: Not available.
Bulk Density	: Not applicable.
Vapor Pressure	: 2.91 mmHg (at 25°C)
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 : Soluble in water with no impurity

#### Section 10: Stability and Reactivity Data

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Oxidizing agents, Strong oxidizing agents, Strong acids.

**Corrosivity:** Not available.

**Special Remarks on Reactivity:** Reacts exothermically with water. Heating can cause expansion or decomposition of the material, which can lead to the containers exploding.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

#### Section 11: Toxicological Information

**Routes of Entry:** Inhalation. Ingestion.

**Toxicity to Animals:** LD50: Not available. LC50: Not available.

**Chronic Effects on Humans:** Not available.

**Other Toxic Effects on Humans:** Hazardous in case of ingestion, of inhalation and 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: May be harmful if absorbed through skin. Causes skin irritation. Eyes: Causes eye irritation. Inhalation: May be harmful if inhaled. Causes respiratory tract irritation. Ingestion: Harmful if swallowed. Chronic Potential Health Effects: The toxicological properties of this substance have not been fully investigated.

#### Section 12: Ecological Information

**Ecotoxicity:** Avoid contaminating waterways.

**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 applicable.

## Section 15: Other Regulatory Information

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

**Other Regulations:** Not available.

**Other Classifications:**

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

**DSCL (EEC):** R36/37- Irritating to eyes and respiratory system. 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:**

**Fire Hazard:**

**Reactivity:**

**Personal Protection:**

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

**Health:**

**Flammability:**

**Reactivity:**

**Specific hazard:**

**Protective Equipment:**

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash 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.