

## Material Safety Data Sheet

### Sodium Isobutyl Xanthate

#### Section 1: Chemical Product and Company Identification

Product Name : Sodium Isobutyl Xanthate  
Chemical Formula :  $C_4H_9OCSSNa$   
Company Identification : Tradeasia International Pte Limited  
Email : [contact@chemtradeasia.com](mailto:contact@chemtradeasia.com)

#### Section 2: Composition and Information on Ingredients

##### Composition:

Name	CAS #	% by Weight
Sodium Isobutyl Xanthate	25306-75-6	>85

**Toxicological Data on Ingredients:** Sodium 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:**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water until advised to stop or for at least 15 minutes. Cold water may be used. Get medical attention.

**Skin Contact:**

If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. Do not reuse contaminated clothing without laundering.

**Serious Skin Contact:** Not available.

**Inhalation:**

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If patient finds breathing difficult ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. 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:** Flammable, especially the vapor.

**Auto-Ignition Temperature:** Unknown.

**Flash Points:** Not available.

**Flammable Limits:** Not available.

**Products of Combustion:** Not available.

**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: Sensitive to static discharges. Take precautionary measures against static discharges.

**Fire Fighting Media and Instructions:** Coarse water spray, fine water spray, normal foam, dry agent (dry chemical powder).

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

**Special Remarks on Explosion Hazards:** Avoid all ignition sources. Heating can cause expansion or decomposition of the material, which can lead to the containers exploding.

## Section 6: Accidental Release Measures

### Small Spill:

Clear area of all unprotected personnel. Ventilate area where possible. Contain spillage, then cover / absorb spill with non-combustible absorbant material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. Eliminate all ignition sources. Use personal protective equipment.

### Large Spill:

Vacuum solid spills instead of sweeping. 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:

Do not breathe dust. Avoid contact with eyes, skin and clothing. Wear suitable protective clothing. Keep container closed. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible.

### Storage:

Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from sources of heat or ignition. Store away from incompatible materials. Ensure containers are properly closed all the time and properly labeled. Check regularly for spills.

## 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:**

Splash-proof goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Impermeable 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** : Pellets, flake or powder

**Odor** : Unpleasant.

**Taste** : Not available

**Molecular Weight** : 453.33 g/mole

**Color** : White.

**pH (1% soln/water)** : Not available.

**Boiling Point** : Not available.

**Melting Point** : Not available.

**Critical Temperature** : Not available.

**Specific Gravity** : 1.24 (Water = 1)

**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:**

Soluble in water.

## Section 10: Stability and Reactivity Data

**Stability:** The product is stable under normal conditions.

**Instability Temperature:** Not available.

**Conditions of Instability:** Avoid exposure to moisture. Avoid exposure to heat, sources of ignition, and open flame.

**Incompatibility with various substances:** oxidising agents , acids , copper , copper alloys.

**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 cause skin irritation. Eyes: Causes eye irritation. Inhalation: Causes respiratory tract irritation. Ingestion: May cause gastrointestinal tract irritation. 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:** 2



**Fire Hazard: 2**

**Reactivity: 2**

**Personal Protection: E**

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

**Health: 2**

**Flammability: 2**

**Reactivity: 2**

**Specific hazard:**

**Protective Equipment:**

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent.

Splash goggles.

## **Section 16: Other Information**

**References:** Not available.

**Other Special Considerations:** Not available.

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