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## Material Safety Data Sheet

### Isopropyl Laurate(IPL) MSDS

Last Updated: 01/05/2022

Prepared according to GB/T 16463-2008

Created:05/04/2018

and GB/T 17519-2013

### Section 1 - Chemical Product and Company Identification

**Product Name:** Isopropyl Laurate(IPL)

**CAS#:** 10233-13-3

**Company Name:** ZHEJIANG WUMEI BIOTECHNOLOGY CO., LTD

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#### Product recommendation and limitation of

**use:** Widely used in cosmetics, for moisturizing and nourishing the skin. The skin absorption of this product is good, it can contact effectively with the hair follicle in the cortex, penetrate into the deep part of the cortex, and bring the active ingredient in the cosmetics into the skin, and make full use of the active ingredient. As a cosmetic solvent and a skin moisturizer, a penetrant.

### Section 2 - Hazards Identification

#### Emergency Overview

##### OSHA Hazards

No known OSHA hazards

##### HMIS Classification

Health Hazard: 0

Flammability: 1

Physical hazards: 0

##### NFPA Rating

Health Hazard: 0

Fire: 1

Reactivity Hazard: 0

##### Potential Health Effects

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation. **Skin** May be harmful if absorbed through skin. May cause skin irritation. **Eyes** May cause eye irritation.

**Sigma - M0757** Sigma-Aldrich Corporation [www.sigma-aldrich.com](http://www.sigma-aldrich.com) Page 2 of 5 **Ingestion** May be harmful if swallowed.

### Section 3- Composition, Information on Ingredients

Composition	Content	CAS No.
Isopropyl Laurate(IPL)	98%	10233-13-3

### Section 4- First Aid Measures

**Eye Contact:**

Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

**Skin Contact:** After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

**Serious Skin Contact:** Not available.

**Inhalation:**

Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

**Serious Inhalation:** Not available.

**Ingestion:**

Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

**Serious Ingestion:** Not available.

### Section 5- Fire and Explosion Data

**Flammability of the Product:** May be combustible at high temperature.

**Auto-Ignition Temperature:** Not available.

**Flash Points:** Not available.

**Flammable Limits:** Not available.

**Products of Combustion:** These products are carbon oxides (CO, CO<sub>2</sub>).

**Fire Hazards in Presence of Various Substances:** Not available.

**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:** SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

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

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

### Section 6- Accidental Release Measures

**Small Spill:** Absorb with an inert material and put the spilled material in an appropriate waste disposal.

**Large Spill:**

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

### Section 7- Handling and Storage

**Precautions:**

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas/fumes/ vapour/spray. Avoid contact with eyes. Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible.

**Storage:**

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

## Section 8- Exposure Controls/Personal Protection

**Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Personal Protection:** Splash goggles. Lab coat.

**Personal Protection in Case of a Large Spill:**

Splash goggles. Full suit. Boots. Gloves. 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:** Liquid.

**Odor:** Not available.

**Taste:** Not available.

**Molecular Weight:** 242.3975 g/mole

**Color:** Not available.

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

**Boiling Point:** Not available.

**Melting Point:** Not available.

**Critical Temperature:** Not available.

**Specific Gravity:** Not available.

**Vapor Pressure:** Not available.

**Vapor Density:** Not available.

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff.:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** See solubility in water, methanol, acetone.

**Solubility:**

Soluble in acetone. Partially soluble in methanol. Insoluble in cold water.

## Section 10- Stability and Reactivity Data

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Not available.

**Corrosivity:** Non-corrosive in presence of glass.

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

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

**Polymerization:** No.

## Section 11- Toxicological Information

**Routes of Entry:** Eye contact. 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. Slightly hazardous in case of skin contact (irritant, permeator), of inhalation.

**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:** Not available.

## Section 12- Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:**

Possibly short term degradation are not likely hazardous. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:**The products of degradation are more toxic.

**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

**Sea transport(IMDG)**

Proper shipping name:Isopropyl myristate

Proper shipping name: Not regulated by DOT.

Hazard class or division: None

Identification NO:None

Packing group: Not applicable

Additional Information: None

HS Code: 2915900090

## Section 15- Other Regulatory Information

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

**Other Regulations:** Not available.

**Other Classifications:**

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

**DSCL (EEC):** R36- Irritating to eyes.

**HMIS (U.S.A.):**

**Health Hazard:** 2

**Reactivity:** 0

**Fire Hazard:** 1

**Personal Protection:** j

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

**Health:** 2

**Flammability:** 1

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:**

Not applicable. Lab coat. Not applicable. Splash goggles.

## Section 16- Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

**Created:** 05/04/2018

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