



Section 1. Product and Company Identification

Product Name Isodecyl Pelargonate
CAS Number 109-32-0

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Section 2. Hazards Identification

Classification of the substance or mixture
Not classified as a hazardous substance or mixture

GHS Label Elements

Pictograms: N/A

Signal word: N/A

Hazard and precautionary statements: None

Low hazard for usual industrial or commercial handling.

State of Matter: Liquid

Color: Light yellow

Odor: Ester-like, slight odor

Potential Health Effects

Primary Routes of Exposure: Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity: Similar materials are not considered toxic. No data available. Virtually non-toxic after a single ingestion.

Irritation/Corrosion: Not irritating to the eyes. Not irritating to the skin.

Chronic Toxicity

Carcinogenicity: All assessable information provides no indication of a carcinogenic effect.

Repeated Dose Toxicity: None known

Reproductive Toxicity: No data for product. No effects anticipated.

Genotoxicity: No data was available concerning mutagenic activity. The chemical structure does not suggest a specific alert for such an effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Signs and Symptoms of Overexposure: Further important symptoms and effects are so far not known.

Section 3. Composition / Information on Ingredients

Common Name	Isodecyl Pelargonate
Synonym(s)	8-Methylnonyl Nonanoate; Fatty acid ester
Formula	$C_{19}H_{38}O_2$
CAS Number	109-32-0

Section 4. First Aid Measures

General Advice: Remove contaminated clothing.

Inhalation: Remove the affected individual into fresh air and keep the person calm. Seek medical attention.

Skin Contact: Wash thoroughly with soap and water. If irritation develops, seek medical attention.

Eye Contact: Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention.

Ingestion: Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Note to Physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Section 5. Firefighting Measures

Flash Point: $\geq 150.00^{\circ}\text{C}$ (ASTM D92)

Self-Ignition Temperature: Not self-igniting

Suitable Extinguishing Media: Water spray, dry powder, foam

Hazards during Firefighting: Harmful vapors. Evolution of fumes/fog.

Protective Equipment for Firefighting: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further Information: The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

Section 6. Accidental Release Measures

Personal Precautions: Use personal protective clothing. Breathing protection required.

Environmental Precautions: Do not discharge into drains/surface waters/groundwater.

Cleanup: Place absorbed material in the same container as the spilled substance/product for disposal.



For Small Amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).

For Large Amounts: Pump off product.

Further Information: High risk of slipping due to leakage/spillage of product.

Section 7. Handling and Storage

Handling

General Advice: No special measures necessary provided product is used correctly.

Protection against Fire and Explosion: Take precautionary measures against static discharges.

Storage

General Advice: Keep container tightly closed and dry; store in a cool place.

Section 8. Exposure Controls / Personal Protection

Advice on System Design: Ensure adequate ventilation.

Personal Protective Equipment

Respiratory Protection: Wear respiratory protection if ventilation is inadequate. Wear respiratory protection in case of vapor/aerosol release.

Hand Protection: Chemical resistant protective gloves.

Eye Protection: Safety glasses with side-shields.

General Safety and Hygiene Measures: Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

Section 9. Physical and Chemical Properties

Form: Liquid

Odor: Ester-like, slight odor

Color: Light yellow

pH Value: Insoluble

Melting Point: -73.0°C

Density: 0.8640 g/cm³ (20.0°C)

0.8550 - 0.8660 g/cm³ (25.0°C)

Viscosity, Kinematic: ≥ 1.50 mm²/s 100°C
≤ 850.00 mm²/s -54°C

Solubility in Water: Slightly soluble

Section 10. Stability and Reactivity

Conditions to Avoid: Avoid open flames.

Substances to Avoid: Strong oxidizing agents

Hazardous Reactions: No hazardous reactions when stored and handled according to instructions. The product is chemically stable.

Decomposition Products: No hazardous decomposition products known.

Thermal Decomposition: No decomposition if stored and handled as prescribed/indicated.

Corrosion to Metals: No corrosive effect on metal.

Oxidizing Properties: Not fire-propagating

Section 11. Toxicological Information

Acute Toxicity

Oral

Type of Value: LD50

Species: Rat

Value: > 5,000 mg/kg (OECD Guideline 420)

Irritation / Corrosion

Skin

Species: Rabbit

Result: Non-irritant

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Eye

Species: Rabbit

Result: Non-irritant

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Sensitization

Result: Non-sensitizing.

Other Information: The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

Section 12. Ecological Information

Fish

Acute: LC50: > 100 mg/l



The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Microorganisms

Toxicity to Microorganisms: ECO: > 100 mg/l

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Degradability/Persistence

Biological/Abiological Degradation

Evaluation: Readily biodegradable (according to OECD criteria).

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Land Transport

US DOT: Not classified as a dangerous good under transport regulations

Sea Transport

IMDG: Not classified as a dangerous good under transport regulations

Air Transport

IATA/ICAO: Not classified as a dangerous good under transport regulations

Section 15. Regulatory Information

Federal Regulations

Registration Status: Chemical - TSCA, US - released/listed

OSHA Hazard Category: Not hazardous

EPCRA 311/312 (Hazard Categories): None

NFPA Rating

Health: 0

Flammability: 1

Reactivity: 0

HMIS Rating

Health: 0

Flammability: 1

Reactivity: 0



Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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