



Section 1. Product and Company Identification

Product Name Isopropyl Palmitate
CAS Number 142-91-6

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Section 2. Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]: Not classified

Adverse physicochemical, human health, and environmental effects: No additional information available

GHS Label Elements

Pictograms: N/A

Signal word: N/A

Hazard and precautionary statements

None

Other hazards: No additional information available

Section 3. Composition / Information on Ingredients

Common Name Isopropyl Palmitate
CAS Number 142-91-6

COMPONENT	CAS NUMBER	CONCENTRATION
Isopropyl Palmitate	142-91-6	≤ 100%

Section 4. First Aid Measures

First-aid Measures

General: If you feel unwell, seek medical advice.

Inhalation: Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.



Skin contact: Wash immediately with lots of water. Soap may be used. Take victim to a doctor if irritation persists.

Eye contact: Rinse immediately with plenty of water. Take victim to an ophthalmologist if irritation persists.

Ingestion: Rinse mouth with water. Call Poison Information Center. Consult a doctor/medical service if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries: No supplementary information available

Indication of any immediate medical attention and special treatment needed: No supplementary information available.

Section 5. Firefighting Measures

Suitable extinguishing media: AFFF foam, BC powder, Carbon dioxide, Dry sand, or Dry chemical powder. Adapt extinguishing media to the environment.

Unsuitable extinguishing media: Solid water jet ineffective as extinguishing medium.

Special hazards arising from the substance or mixture

Fire hazard: Direct fire hazard. Combustible. Indirect fire hazard. Heating increases the fire hazard. Temperature above flashpoint: higher fire/explosion hazard.

Explosion hazard: No supplementary information available.

Reactivity: On burning: release of (carbon monoxide - carbon dioxide).

Advice for firefighters

Other information: No supplementary information available.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

General measures: Mark the danger area. Exposure to heat: have neighborhood close doors and windows.

Exposure to fire/heat: consider evacuation. Wash contaminated clothes.

For non-emergency personnel

Protective equipment: See Section 8 to select protective clothing.

For emergency responders

Protective equipment: Use protective measures listed in Section 8.

Environmental precautions: Prevent soil and water pollution.

Methods and material for containment and cleaning up

Methods for cleaning up: Clean contaminated surfaces with an excess of water and soap solution. Take up liquid spill into inert absorbent material, e.g.: dry sand/ earth / vermiculite or powdered limestone.

Other information: No supplementary information available.

Reference to other sections: Handle waste materials in accordance with the provisions of Section 13

Section 7. Handling and Storage

Precautions for safe handling

Handling temperature: $\geq 10^{\circ}\text{C}$ above melting point

Conditions for safe storage, including any incompatibilities

Storage temperature: $< 60^{\circ}\text{C}$ (requires special attention while using IBC packaging)

Prohibitions on mixed storage: Keep substance away from ignition sources, (strong) acids, and (strong) bases.

Storage area: Keep container in a well-ventilated place. Store at ambient temperature. Keep out of direct sunlight. Meet the legal requirements.

Special rules on packaging: Special requirements are closing, correctly labelling, and meeting the legal requirements.

Packaging materials: No supplementary information available

Section 8. Exposure Controls / Personal Protection

Control parameters: No additional information available

Exposure controls

Personal protective equipment: Gloves, Protective clothing, Safety glasses.

Materials for protective clothing: Give good resistance; nitrile rubber.

Section 9. Physical and Chemical Properties

Appearance: Liquid

Color: Colorless to yellow.

Odor: Characteristic odor. Mild odor.

pH: No data available

Melting point: No supplementary information available

Freezing point: $< 15^{\circ}\text{C}$

Boiling point: $> 150^{\circ}\text{C}$

Flash point: ca. 170°C (ASTM D92)

Auto-ignition temperature: ca. 235°C (92/69/EEC; method A.15)

Decomposition temperature: No data available



Vapor pressure: No supplementary information available
Relative vapor density at 20 °C: No data available
Relative density: No data available
Density: ca. 853, 1 kg/m³ (20°C) ca. 839, 3 kg/m³ (40°C) ca. 797, 8 kg/m³ (100°C)
Solubility: Water: < 0.1 mg/l (20°C)
Log Pow: > 3
Viscosity, dynamic: ca. 8 mPa*s (20°C)

Other information

VOC content: < 1% (1999/13/EC; 2004/42/EC; SR 814.018)
Other properties: Soluble in oils/fats. soluble in most organic solvents. Poorly soluble in water.

Section 10. Stability and Reactivity

Reactivity

On burning: Release of (carbon monoxide - carbon dioxide).
Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No additional information available

Conditions to avoid: No supplementary information available.

Incompatible materials: No supplementary information available.

Hazardous decomposition products: No supplementary information available.

Section 11. Toxicological Information

Information on toxicological effects

Acute toxicity: Not classified

LD50 Oral: Rat > 2000 mg/kg Non-toxic

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

Section 12. Ecological Information

Toxicity

Ecology - General: According to literature: no environmental hazard.

Ecology - Air: No supplementary information available.

Ecology - Water: No bioaccumulation data available

Persistence and degradability: No additional information available

Bioaccumulative potential

Log Pow: > 3, Isopropyl palmitate (CAS No. 142-91-6)

Mobility in soil: No additional information available

Results of PBT and vPvB assessment: No additional information available

Other adverse effects

Other information: No supplementary information available

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

ADR: Not subject

RID: Not subject

IMDG: Not subject

IATA: Not subject

Environmental hazards: No supplementary information available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

Section 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU-Regulations: No REACH Annex XVII restrictions. Isopropyl palmitate is not on the REACH Candidate List. Isopropyl palmitate is not on the REACH Annex XIV List

EU Regulation 10/2011 (Annex I), as amended: FCM 878 - acids, fatty (C8-C22) from animal or vegetable fats and oils, esters with branched alcohols, aliphatic, monohydric, saturated, primary (C3-C22)



FC EU regulatory notices: The Directive 2002/72/EC of 6 August 2002 relating to plastic materials and articles intended to come into contact with foodstuffs as amended has been repealed by EU Regulation No 10/2011.

VOC content: < 1 % (1999/13/EC; 2004/42/EC; SR 814.018)

National regulations

Chemical inventories: Listed on AICS, DSL, ECL, ECST, ENCS, IECSC, NZIoC, PICCS, TSCA, EC inventories

Swiss ChemO (SR 813.11): This substance is not subject to the obligation to register pursuant to art.61 of the Chemicals Ordinance (ChemO)

WGK class: nwg (not water endangering)

Swiss Ordinance (SR 817.023.21) Annex 6: Not listed

CFR Title 21 - Indirect Food Additives: Listed in 176.210 - Defoaming agents used in the manufacture of paper and paperboard

CFR Title 21 - Prohibited in human food: Contains OPS - This product is free from any substance prohibited from use in human food

Chemical safety assessment: The chemical safety assessment has been carried out, an exposure scenario is not applicable (substance is not classified).

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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