



Section 1. Product and Company Identification

Product Name Isostearic Acid
CAS Number 30399-84-9 / 2724-58-5

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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: None

Hazard and precautionary statements: N/A

Other hazards: No additional information available

Section 3. Composition / Information on Ingredients

Common Name Isostearic Acid
Synonym(s) Isooctadecanoic Acid
Formula $C_{18}H_{36}O_2$
CAS Number 30399-84-9 / 2724-58-5

COMPONENT	CAS NUMBER	CONCENTRATION
Isostearic Acid	30399-84-9 / 2724-58-5	100%

Section 4. First Aid Measures

Description of 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 Centre (www.who.int/ipcs/poisons/centre/directory/en). Consult a doctor/medical service if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation: ON HEATING: Irritation of the respiratory tract.

Symptoms/injuries: No supplementary information available.

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

Section 5. Firefighting Measures

Extinguishing media

Suitable extinguishing media: AFFF foam. BC powder. Carbon dioxide. Dry sand. 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: Temperature above flashpoint: higher fire/explosion hazard.

Explosion Hazard

Direct Explosion Hazard: No data available on direct explosion hazard.

Indirect Explosion Hazard: No data available on indirect explosion hazard.

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 "Material-Handling" 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

For containment: Knock down/dilute dust cloud with water spray.

Methods for cleaning up: Carefully collect the spill/leftovers. If melted: allow liquid to solidify before taking it up. Scoop solid spill into closing containers or into synthetic bags. Clean contaminated surfaces with an excess of water and soap solution.

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

Prohibitions on mixed storage: Keep Substance Away From: Ignition sources. (Strong) acids. (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: Closing. Correctly labelled. Meet the legal requirements.

Packaging materials: Suitable Material: Steel with plastic inner lining. Stainless steel. Aluminum.

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

Information on basic physical and chemical properties

Physical state: Liquid

Appearance (room temperature): Liquid.

Color: Colorless to light yellow.

Odor: Characteristic odor. Mild odor.

Odor threshold: No data available

pH: < 7

Relative evaporation rate (Butyl Acetate=1): No data available

Melting point: No supplementary information available

Freezing point: $< 10^{\circ}\text{C}$

Boiling point: > 250°C
Flash point: ca. 192°C (ASTM D92)
Auto-ignition temperature: > 300°C
Decomposition temperature: > Flash point
Flammability (solid, gas): No data available
Vapor pressure: < 0.01 hPa (20°C)
Relative vapor density (20°C): No data available
Relative density: No data available
Density: ca. 895.3 kg/m³ (20°C) ca. 881.6 kg/m³ (40°C) ca. 840.3 kg/m³ (100°C)
Solubility - Water: < 0.005 g/100ml (25°C)
Log Pow: > 5 (est.)
Viscosity, dynamic: 52 mPa*s @ 25°C
Explosive properties: No data available
Oxidizing properties: No data available
Explosive limits: No data available

Other information

VOC content: < 0.1 % (1999/13/EC; 2004/42/EC)
Other properties: Poorly soluble in water. Soluble in oils/fats. soluble in most organic solvents.

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 (pH: < 7)
Serious eye damage/irritation: Not classified (pH: < 7)
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
Viscosity, kinematic: 58.08109014 mm²/s

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

ThOD: 2.9 g O₂/g substance

Bioaccumulative potential

Log Pow: > 5 (est.)

Mobility in soil

Surface tension: ca. 0.03 N/m (20°C)

Results of PBT and vPvB assessment: No additional information available

Other adverse effects: No additional 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

In accordance with ADR / RID / IMDG / IATA / ADN

UN Number: Not applicable

Proper Shipping Name: Not applicable

Hazard Class: Not applicable

Packing Group: Not applicable

Environmental Hazards

Dangerous for the environment: No

Marine pollutant: No

Other information: No supplementary information available

Special precautions for user

Overland Transport

Transport regulations (ADR): Not subject

Transport by sea

Transport regulations (IMDG): Not subject

Air transport: No data available

Inland waterway transport: No data available

Rail transport

Transport regulations (RID): Not subject

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

Product is not on the REACH Candidate List

Product is not on the REACH Annex XIV List

VOC content: < 0.1 % (1999/13/EC; 2004/42/EC)

EU Regulation 10/2011 (Annex I), as amended: NO_FCM - not listed

National Regulations

Chemical inventories: Listed on AICS, DSL, ECST, ENCS, IECSC, KECL, 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)

Germany

VwVwS Annex reference: Water hazard class (WGK) nwg, Non-hazardous to water (Classification according to VwVwS, Annex 1 or 2; ID No. 1423)

WGK remark (old): No water pollutant (Classification in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS))

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen: The substance is not listed

SZW-lijst van mutagene stoffen: The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Borstvoeding: The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Vruchtbaarheid: The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Ontwikkeling: The substance is not listed

Swiss Ordinance (SR 817.023.21) Annex 6: List of additives (part B). List of binders (part B)

CFR Title 21 - Indirect Food Additives

Listed in:

175.105 - Adhesives

175.300 - Resinous and polymeric coatings

176.210 - Defoaming agents used in the manufacture of paper and paperboard

176.170 - Components of paper and paperboard in contact with aqueous and fatty foods

176.200 - Defoaming agents used in coatings

177.2260 - Filters, resin-bonded

178.3910 - Surface lubricants used in the manufacture of metallic articles

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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