



Bee Beautiful

Stearic Acid

Material Safety Data Sheet

Product Name

1801 Stearic Acid (vegetable based)
Octadecanoic Acid

Supplier

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Composition/Ingredients Information

Substance / Preparation: Substance

Chemical description: Saturated straight chain aliphatic monocarboxylic acids mainly Palmitic and Stearic Acid

CAS No.: 67701-03-5

EINECS No.: 266-926-4

Hazards Identification

Eyes: Can cause irritation.

Skin: Unlikely to be irritant.

Inhalation: Not applicable at ambient temperature. Vapour can cause irritation.

Ingestion: Unlikely to be harmful unless excessive amount swallowed.

Physical/Chemical Hazards: Danger of dust explosions

Environmental Hazards: Non identified

First Aid Measures

Inhalation: Remove to fresh air.

Skin Contact: Wash off with plenty of water and soap.

Eye Contact: Wash out with water. Seek medical attention if any sensations persist.

Ingestion: Remove material from mouth. Drink plenty of water. If large amount swallowed or symptoms develop seek medical attention.



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Fire Fighting Measures

Extinguishing media: Dry chemical, water spray, foam, carbon dioxide.

Unsuitable Extinguishing Media: None

Specific Hazards: Thermal decomposition will evolve irritant vapours.

Protection of fire fighters: Self contained breathing apparatus, full protective clothing.

Accidental Release Measures

Personal precautions: Avoid contact with eyes. Do not breathe vapour.

Environmental precautions: Minimise contamination of drains, surface and ground waters.

Method of cleaning up: Transfer product to suitably labelled containers for disposal at an approved site. Absorb liquid spillage onto inert material (e.g. sand). Residues and small spillages may be washed away with water and detergent.

Other information: Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

Handling and Storage

Handling: No specific protective measures are required. Avoid generation of dust. Smouldering can occur upon leakage onto fibrous insulation material.

Storage: Store in the original closed containers under dry conditions.

Other information: For quality reasons, avoid elevated temperatures.

Exposure Controls / Personal Protection

Engineering measures: Ensure ventilation or local exhaust if formation of vapour occurs.

Hygiene measures: Good industrial hygiene should be followed.

Occupational exposure limits: No occupational exposure limits have been established.

Personal protective equipment: Normal precautions should be observed as for handling all chemicals.

Physical and Chemical Properties

Physical state: Solid (20 °C).

Colour: White.

Odour: Faint.



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pH: Not applicable.

Boiling point/range: 205-225 °C (10 hPa).

Solidification point: 55 °C.

Flash point: 180 °C (COC).

Flammability: Not available.

Autoignition temperature: 350 °C.

Explosion properties: Not to be expected.

Oxidation properties: Not to be expected.

Vapour pressure: <0.1 hPa (20 °C).

Density: 850 kg/m³ (75 °C).

Solubility in water: Insoluble.

Solubility in other: Soluble in many organic solvents.

Ingredients partition coefficient (log Pow): >3 (estimated).

Viscosity: 10 mPa.s (65 °C).

Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to avoid: Not known.

Materials to avoid: Oxidizing agents.

Hazardous reactions: None.

Hazardous decomposition products: Thermal decomposition will evolve irritant vapours.

Hazardous polymerization: Will not occur.

Toxicological Information

Acute Toxicity Oral – LD 50: >2 g/kg (rat).

Skin irritation: Not irritating (rabbit).

Eye irritation: Not irritating (rabbit).



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Sensitization: No sensitization reactions.

Ecological Information

Degradability: Readily biodegradable (according to the modified Sturm test).

Ecotoxicity

LC50: >100 mg/l (fish – 48 hours)

EC50: >100 mg/l (Pseudomonas putida – 16 hours)

Disposal Recommendations

Methods of disposal: Re-use/recycling of waste highly recommended. Disposal according to the local legislation.

Contaminated packaging: Observe local regulations.

Transport Information

Not classified in RID/ADR - ADNR - IMDG - ICAO/IATA-DGR.

Regulatory Information

EU Classification: This product is not dangerous according to the EU regulations. (67/548/EEC-1999/45/EC)

Inventory Status

EU:	EINECS
USA:	TSCA-CSI
CANADA:	DSL
JAPAN:	ENCS (2-608)
AUSTRALIA:	AICS
KOREA:	ECL (26333)
PHILIPPINES:	PICCS
CHINA:	SEPA
SWITZERLAND:	“BAG T” No./”Giftklasse”: 618400/”frei”
WATER POLLUTIONG CATEGORY:	Not water endangering (VwVwS)

Other Information

This information relates only to the specific product designated and may not be valid for such product used in combination with any other materials or processes. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their own particular use.