



STEARIC ACID  
Material Safety Data Sheet

**Product Name**

Stearic Acid (Stearic Acid Vegetable Based)

**Supplier**

Just a Soap  
South East Lodge  
Rede Road  
Whepstead  
Bury St Edmunds  
IP29 4ST  
01284 735043

**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: 266-924-4

**Hazards Identification**

Eyes: can cause irritation.  
Skin: unlikely to be an irritant.  
Inhalation: not applicable at ambient temperature. Vapour can cause irritation.  
Ingestion: unlikely to be harmful unless excessive amounts swallowed.  
Physical/Chemical hazards: danger of dust explosions.  
Environmental hazards: non identified.

**First Aid Measures**

Inhalation: remove to fresh air.  
Eye contact: flush immediately with plenty of cold water until condition subsides.  
Skin contact: no risk to usual skin types. Flush with plenty of water if irritation occurs.  
Ingestion: rinse mouth out with water. Drink plenty of water. If large amount swallowed or symptoms develop seek medical advice.

**Fire Fighting Measures**

Extinguishing media: use CO<sub>2</sub>, dry chemical, water spray or foam type extinguishers, spraying extinguishing media to base of flames.  
Specific hazards: thermal decomposition will evolve irritant vapours.

**Accidental Release Measures**

Personal precautions: avoid contact with eyes. Do not breathe vapour.  
Environment precautions: minimise contamination of drains, soils, surface and groundwaters.  
Cleaning up methods: transfer product to suitably labelled containers for disposal at an approved site. Absorb liquid spillage onto inert material (eg

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sand). Residues and small spillages may be washed away with water and detergent. container.

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

#### Handling & Storage

Precautions in handling: apply good manufacturing practice and industrial hygiene practices. No special risks or precautions generally required. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

Storage conditions: Store in tightly closed original container in a cool, dry and ventilated area away from heat sources and protected from light. Keep air contact to a minimum.

#### 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: no occupational exposure limits have been established.

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

#### Physical & Chemical Properties

Physical state: solid 20°C.

Colour: White.

Odour: faint.

PH: n/a

Boiling point/boiling range: 205-225°C (10h Pa)

Solidification point: 55°C

Flash Point : 180°C (COC)

Flammability: n/a

Autoignition temperature: 350°C

Explosion properties: not to be expected.

Oxidation properties: not to be expected.

Vapour pressure: <0.1hPa (20°C)

Density: 850kg/m<sup>3</sup> (75°C)

Solubility in water: insoluble.

Solubility in other ingredients: soluble in many organic solvents.

Partition coefficient: >3 (estimated)

Viscosity: 10 mPa.s (65°C)

#### Stability & Reactivity

Stability: stable under normal conditions.

Conditions to avoid: not known.

Materials to avoid: oxidising agents.

Hazardous reactions: none

Hazardous decomposition: thermal decomposition will evolve irritant vapours.

Hazardous polymerization: will not occur.



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**Toxicological Information**

Data not available.

**Ecological Information**

Biodegradability: readily biodegradable (according to the modified Sturm test).

**Disposal Considerations**

Avoid excessive disposal to drainage systems and into the environment.  
Seek expert advice. Observe specific local regulations.

**Transport Regulations**

Road (ADR/RID): n/a

Air (IATA): n/a

SEA(IMDG) n/a

CHIP: see next section

**Regulatory Information.**

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

**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 Just A Soap's 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.