

SAFETY DATA SHEET

EC Regulation No.1907/2006 (REACH) & 1272/2008 (CLP)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: Stearic Acid Palm Free
- Chemical Name: Stearic Acid
- CAS Number: 57-11-4
- EC Number: 200-313-4
- REACH Registration Number: 01-2119543894-28-xxxx
- Synonyms:

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Basic raw material for the chemical industry

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Aroma Trading Ltd
- Address of Supplier: Unit 3 Quatro Park
Tanners Drive
Milton Keynes
MK14 5FJ
- Telephone: + 44 (0) 1908 334100
- Responsible Person: John Black
- Email: sales@aromatrading.com

1.4 Emergency telephone number

- Emergency Telephone: + 44 (0) 1908 334100

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Classification according to CLP (EC No. 1272/2008), The product is not classified as hazardous within the meaning of Regulation (EU) No 1272/2008.

2.2 Label elements

- Signal Word: None

2.2.1 Hazard statements

None assigned

2.2.2 Precautionary statements

None assigned

2.3 Other hazards

SECTION 2: Hazards identification (....)

Risk of dust explosion

SECTION 3: Composition/information on ingredients**3.1 Substances**

- Chemical Name: Stearic Acid
- CAS No: 57-11-4
- EC Number: 200-313-4

3.2 Mixtures

SECTION 4: First aid measures**4.1 Description of first aid measures**

- General information: if symptoms persist or in case of doubt, seek medical advice

4.1.1 Contact with eyes

After contact with eyes, rinse with water with eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

4.1.2 Contact with skin

After contact with skin, wash immediately with plenty of soap and water
If available, apply polythylenglycol (PEG 400, Lutrol) and let it remain on the skin for several minutes.
Generally the product does not irritate skin

4.1.3 Ingestion

After swallowing: Rinse mouth out with water, give 3-4 glasses of water
Never give anything by mouth to an unconscious person
If possible, give a small amount of activated carbon (1-2 tablets).
If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.
Seek immediate medical attention

4.1.4 Inhalation

Supply fresh air; consult a doctor in case of pain

4.2 Most important symptoms and effects, both acute and delayed

After inhalation: sore throat and cough
After swallowing: abdominal pain

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

SECTION 5: Firefighting measures (....)

5.1 Extinguishing media

- Suitable extinguishing media: Carbon dioxide (CO₂), Dry chemical extinguisher, Water spray jet
 - Unsuitable extinguishing media: High power water jet
- Fight larger fires with water spray or alcohol resistant foam

5.2 Special hazards arising from the substance or mixture

- In case of fire, the following can be released: Carbon dioxide (CO₂), Carbon monoxide (CO), Irritant gases/vapours

5.3 Advice for firefighters

- Wear self-contained respiratory protective device.
 - Cool endangered containers with water spray jet.
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Avoid dust formation
- Wear protective clothing.
- Keep away from sources of heat and ignition.
- Avoid contact with skin and eyes
- Wear appropriate respirator when ventilation is inadequate.

6.2 Environmental precautions

- Do not allow to enter public sewers and watercourses

6.3 Methods and material for containment and cleaning up

- Pick up mechanically
- Avoid dust formation
- Clean-up procedures: Pick up with tested and approved vacuum cleaner if necessary. Neutralize remaining quantity with sodium bicarbonate or soda ash and flush away with lots of water.

Make sure to recycle or dispose of in suitable containers

Dispose of contaminated material as waste according to section 13

6.4 Reference to other sections

- See section 7 for safe handling, section 8 for personal protection and section 13 for disposal considerations.
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

SECTION 7: Handling and storage (....)

- Ensure good exhaust ventilation at the workplace
 - Avoid the formation and deposition of dust.
 - Any deposit of dust which cannot be avoided must be regularly removed.
 - Avoid contact with skin and eyes, inhalation of vapours and mists.
- It is recommended to handle and refill product in closed systems
Keep away from ignition sources - Do not smoke
Dust may combine with air to form an explosive mixture
Protect against electrostatic charges
Observe the general rules of industrial fire protection

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
- Suitable containers: stainless steel
- Store away from foodstuffs.
- Store away from feed.
- Store away from oxidising agents
- Do not store together with: alkalis (caustic solutions) and away from reducing agents
- Protect against direct sunlight.

Recommended storage temperature:

5-10°C above melting point

Temperature higher than necessary degrades quality at rate dependent on time and temperature of exposure.

Storage class: 11 combustible solids

7.3 Specific end use(s)

- See Section 1

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: Adhere to common dust limit. Keep away from open flames and other ignition sources. Install appropriate ventilation.

8.1 Control parameters**8.1.1 DNEL/DMEL**

DNEL for consumers: (Oral) 2.5 mg/kg bw/day - Long term systemic effects

DNEL (dermal) Industrial 10 mg/kg bw/day - Long term systemic effects

DNEL (Inhalation): Consumer 4.348 mg/m³ (Long-term-systemic effects)

DNEL (Inhalation): Industrial 17.632 mg/m³ (Long-term-systemic effects)

8.1.2 PNEC

Since the substance has no potential for bioaccumulation no PNEC oral was derived.

SECTION 8: Exposure controls/personal protection (....)

Additional Occupational Exposure Limit Values for possible hazards during processing:
Observe general threshold limit for dust

8.2 Exposure controls



Gloves



Goggles



Respirator



Suit

- Breathing equipment: In case of unintentional release of substance, exceeding the occupational exposure limit value: Short term filter device: Filter A-P2 A-P3
- Protection for hands: Protective gloves.
To avoid skin problems reduce the wearing of gloves to the required minimum.
Preventive skin protection by use of skin protecting agents is recommended
After use of gloves apply skin cleaning agents and skin cosmetics
- Material of Gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer
For undissolved solid substances following materials may be suitable:
nitrile rubber (NBR), butyl rubber (BR), fluorocarbon rubber (FKM) and polychloroprene rubber (CR)
- Penetration time of glove material: The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Tightly sealed goggles
- Body Protection: Protective clothing

8.3 Environmental exposure controls

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Wax Like Crystalline Solid Material
- Colour: White
- Odour: Light. Bland
- pH: Not determined
- Melting point/Range: 64.9-69.3°C
- Boiling Point/Range: 383-385.8°C
- Solubility in water: At 20°C 5e-5 g/l
- Flash Point: Ca. 200°C
- Partition Coefficient (n-Octanol/Water): Ca. 8.23 log POW
- Viscosity, Dynamic: At 70°C ca. 9.87 mPas
- Viscosity, Kinematic: At 70°C ca. 12mm²/s
- Ignition Temperature: Ca. 400°C
- Explosiveness: Product is not explosive, however formation of explosive air/dust mixtures is possible
- Vapour Pressure: Ca. 8.54E-8 hPa
- Density at 20 °C is 0.87 g/cm³

9.2 Other information

SECTION 9: Physical and chemical properties (....)

SECTION 10: Stability and reactivity**10.1 Reactivity**

- No further relevant information available

10.2 Chemical stability

To avoid thermal decomposition do not overheat

- Thermal decomposition/conditions to be avoided: No decomposition if used and stored according to specifications

10.3 Possibility of hazardous reactions

Strong exothermic reaction with above mentioned substances

10.4 Conditions to avoid

- No further relevant information available.

10.5 Incompatible materials

- Alkalis and oxidizing agents
- Reducing agents

10.6 Hazardous decomposition products

- No hazardous decomposition products if instructions for storage and handling are followed.
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SECTION 11: Toxicological information**11.1 Information on toxicological effects**

- Acute Toxicity: LD₅₀ (oral, rat): > 5000 mg/kg, LD50 (dermal,rabbit) > 2000 mg/kg

11.2 Serious eye damage/irritation

- Irritation to eyes (rabbit) : None (based on historical data)

11.3 Skin corrosion/irritation

- Irritation to skin (rabbit): no skin irritation (based on historical data)

11.4 Ingestion

- Based on available data the classification criteria are not met

11.5 Inhalation

- Respiratory or skin sensitization no sensitisation, species guinea pig
OECD 406

Read across: CAS 123-99-9

This product itself is not been tested. Information is based on products of similar structure and composition

SECTION 11: Toxicological information (....)**11.6 Carcinogenicity**

- Based on available data the classification criteria are not met

11.7 Germ cell mutagenicity

- Based on available data, the classification criteria are not met.

11.8 Teratogenicity

Oral NOAEL (P) 1000 mg/kg bw/day (rat) (OECD 422) RA from Docosanoic acid
NOAEL (Maternal) 1000 mg/kg bw/day (rat) (OECD 422) RA from Docosanoic acid

- Based on available data, the classification criteria are not met.
- STOT single exposure: based on available data the classification criteria are not met
STOT repeated exposure:
Oral NOAEL (P) 1000 mg/kg bw/day (rat) (OECD 422) RA from Docosanoic acid
based on available data the classification criteria are not met

SECTION 12: Ecological information**12.1 Toxicity**

Aquatic toxicity:
LC50 48hrs 10000 mg/l (Leuciscus idus) (DIN 38412/15)
EC50 > 32 mg/l (Daphnia magna) (EU method C.2) (47hrs)
EC10/ 18h 883 mg/l (Pseudomonas putida) (ISO 10712)
EC50/ 72h > 0.9 mg/l Pseudokirchneriella subcapitata) (OCED 210)
RA from palmic acid
NOEC/21d > 0.22 mg/l (Daphnia magna) (OCED 211)
RA from palmic acid

12.2 Persistence and degradability

Biological degradation: 72% after 28 days
but failing to 10 day window OECD 301B

12.3 Bioaccumulative potential

Bioaccumulation is not to be expected
BCF: 10 < 300

12.4 Mobility in soil

- Not applicable
- Additional ecological information: Not hazardous to water according to VwVwS (German regulation) appendix 1 dated 17.05.1999

12.5 Results of PBT and vPvB assessment

- Not applicable

12.6 Other adverse effects

- No further relevant information available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

- Avoid release to the environment. Refer to special instructions/Safety data sheets
- Disposal should be in accordance with local, state or national legislation
Must be recycled or disposed of according to the regulations. Waste has to be classified according to the European Waste Catalogue based on the identification of the waste generating source.
Disposal according to the instructions of local authorities.
European waste catalogue:
07 00 00 Wastes from organic chemical process
07 01 00 Waste from manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 99 Wastes not otherwise specified

Uncleaned packagings:

Recommendation:

Disposal must be made according to official regulations.

Packings that can not be cleaned are to be disposed of in the same manner as the product

If not regulated, non contaminated packagings can be used for recycling or treated like household garbage

SECTION 14: Transport information**14.1 UN number or ID number**

- UN No.: Not classified as a dangerous good under transport regulations

14.2 UN proper shipping name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not classified as dangerous for transport.

14.4 Packing group

- Packing Group: Not classified as dangerous for transport.

14.5 Environmental hazards

- Not applicable

14.6 Special precautions for user

- Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- Not applicable
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SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

SECTION 15: Regulatory information (....)

Directive 2012/18/EU
Named Dangerous substances - ANNEX I Substance not listed
Water Hazard Class:
Generally not hazardous for water
Ident number 661

15.2 Chemical safety assessment

- A chemical safety assessment has not been carried out for this substance.

SECTION 16: Other information

The information given on this material health and safety sheet is not a warranty as to the performance or suitability of the product. The information must be regarded only as a description of the health, safety and environmental requirements for that product. The information contained herein is true and accurate to the best of our knowledge and belief, but does not claim to be all inclusive.

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