



P.T. Musim Mas (Oleochemical & Soap Chips Division)

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name : Triple Pressed Stearic Acid
Commercial Description : Fatty Acid C16-C18
Manufacturer Name : PT. Musim Mas (Oleochemical & Soap Chips Division)
Address : Jln. Oleo, Kawasan Industri Medan II, Saentis, Percut Sei Tuan, Deli Serdang, Sumatera Utara, Indonesia
Telephone No. : 62-61-6871123
Emergency Telephone No. : 62-61-6871123
Fax No. : 62-61-6871152
Trade Name : MMFA
Product Code : 1800, 1801, 1802

2. Composition / Information On Ingredients

Chemical Name : Hexadecanoic Acid + Octadecanoic Acid
CAS Number : 67701-03-5
Gross Formula : $C_{16}H_{32}O_2 + C_{18}H_{36}O_2$
Hazards Identification : Not considered as hazardous

3. Hazard Identification

Proposed Classification : Low toxicity and not considered hazardous to human beings.
Human Health Hazards
a) Inhalation : Dust can cause irritation, like sore throat and cough
b) Skin Contact : Irritant to skin.
c) Eye Contact : Can cause irritation
d) Ingestion : Can cause irritation to respiratory tract.



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Physical / Chemical Hazards	:	Slight bland/tallow-like odour.
Environmental Hazards	:	Combustible. Waxy Keep away from open flame, no smoking Use dry powder, foam, carbon dioxide for extinguishing.

4. First-Aid Measures

Inhalation	:	Use self-contained breathing equipment if in confined place. Remove to fresh air. If suffocation is serious, take to a doctor.
Skin Contact	:	Use gloves Remove contaminated clothing, flush skin with water or shower, take to a doctor if necessary
Eye Contact	:	Wash out with water. Get medical attention if any sensations persist.
Ingestion	:	Rinse mouth, drink plenty of water, see physician Do not give anything by mouth to an unconscious person.

5. Fire-Fighting Measures

Extinguisher Media	:	Use dry powder, foam, carbon dioxide for extinguishing.
Special Hazards	:	Keep away from open flame, no smoking Thermal decomposition will evolve irritant vapours.

6. Accidental Release Measures

Personal Precautions	:	Wear dust mask if dusting occurs
Environmental Precautions	:	Minimise contamination of drains, surface and ground water
Leak / Spill	:	Collect leakage in sealable containers, soak up with sand or other inert absorbent and remove to safe place.



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Wash site with sodium bicarbonate solution or ash soda. Wipe to clean.

Can also allow spillage to solidify, then shovel into containers. Clean up area immediately.

Dispose off in accordance with local, state and federal regulation.

7. Handling and Storage

Handling	:	Avoid contact with eyes.
		To use gloves and wear goggles when handling
Storage	:	Keep in a cool and dry place, avoid extreme heat and cold. Avoid direct fire, strong alkalis, strong oxidisers. Store in clean, dry preferably stainless steel vessels. In bulk, store at about 5-10 deg C above melting point or ambient. Temperature higher than necessary degrades quality at rates dependent on time and temperature of exposure.
		Exposure to ultraviolet light, especially sunlight must be minimised to prevent quality loss.

8. Exposure Control And Personal Protection

Engineering Measures	:	Not applicable
Hygiene Measure	:	Good industrial hygiene should be followed.
Occupational Exposure	:	No limit have been established.
Personal Protection	:	Wear safety goggles and/or dust mask if dusting occurs.

9. Physical and Chemical Properties

Appearance	White crystalline solid
Boiling point, deg C at 760 mm Hg	>300
Melting point, deg C	55-60
Flash point, deg C(Pensky-Martens closed cup)	>200
Auto-ignition temperature, deg C	>250
Density, g/ml at 75 deg C	0.85
Vapor pressure, mm Hg at 165 deg C	<1
Solubility in water, g/100 ml at 20 deg C	None
Relative molecular mass	256.4-284.5



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10. Stability And Reactivity

Condition to Avoid	:	Avoid contact with strong oxidizing agents, direct fire and strong alkalis.
Incompatibles	:	Strong oxidizing agents and strong alkalis
Decomposition Products	:	Carbon, Carbon Dioxide & Carbon Monoxide

11. Toxicological Information

Acute fish toxicity	:	LC 50 >100mg product/l
Acute bacteria toxicity	:	EC 50 >100 mg product/l

12. Ecological Information

Biodegradability	:	Readily biodegradable
Aquatic Toxicity	:	Not known

13. Disposal Information

Method of Disposal	:	Dispose accordance with all applicable National environment laws and regulations
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14. Transport Information

Not a hazardous material according to RID / ADR, GGVS/GGVE, ADN, IMDG, ICAO -TI / IATA - DGR

15. Regulatory Information

Triple Pressed Stearic Acid is categorized under non-hazardous chemical

16. Other Information

Labeling Information

Product label name : Triple Pressed Stearic Acid



Symbols

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: none

Notes : Always work safely around open hatches on bulk tanks. The low density makes floatation difficult for immersed person.

Disclaimer

This Material Safety Sheet does not constitute any warranty or guarantee as to the quality, properties, condition or otherwise of the product. It has been prepared from the best knowledge available to us and we shall not liable for any insufficiency or accuracy in such information in any case whatsoever.

VIVIEN TAN
TECHNICAL MANAGER