



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

Product Identification

Product Name : Stearic Acid / Triple Pressed Stearic Acid / Double Pressed Stearic Acid

Trade Name : MASCID 1870, MASCID 1865, MASCID 1862, MASCID 1855, MASCID 1850, MASCID 1800, MASCID 1801, MASCID 1802, MASCID 1803

Other Identifier : Hexadecanoic Acid + Octadecanoic Acid

Recommended Use : chemical intermediate for metallic soaps & grease, household soap products, Synthetic rubber vulcanization activators, alkylated & epoxy resins for surface coatings

Company Identification

Manufacturer Name : P.T.Musim Mas

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EU, ASPAC and other countries : +62-8116054139
North America/Canada : +1-800-424-9300 (Chemtrec)

2. HAZARD IDENTIFICATION

GHS Classification

Physical Hazard : Not classified as hazardous substance

Health Hazard : Not classified as hazardous substance

Environmental Hazard : Not classified as hazardous substance

GHS Label Element

Hazard Symbol : None

Signal Word : None

Hazard Statement : None

Precautionary Statement : None

Other Hazard : No information available



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3. COMPOSITION/ INFORMATION ON INGREDIENTS

Substance

Chemical Name	: Hexadecanoic Acid + Octadecanoic Acid
Synonym	: Fatty Acids, C16 & C18
CAS No	: 67701-03-5
EINECS No	: 266-928-5
Ingredients or impurities that contribute to hazard	: This product doesn't have impurities that contribute to the hazard classification

4. FIRST AID MEASURES

Eye Contact	: Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Check for and remove any contact lenses. If you feel unwell and in case of irritation seek medical attention.
Skin Contact	: Wash skin with soap and water upon contact. Remove contaminated clothing. If irritation develops, get medical attention. Wash clothing before reuse.
Ingestion	: Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink.
Inhalation	: Remove patient from exposure. Obtain medical attention if ill effects occur.
Most important symptoms/effects, acute and delayed	: No information available
Indication of immediate medical attention and special treatment needed	: No information available

5. FIRE-FIGHTING MEASURES

Suitable extinguishing Media	: Dry powder, carbon dioxide or foam.
Unsuitable extinguishing Media	: Water jet.
Specific hazards arising from the substance or mixture	: Combustible, keep away from open flame, no smoking. Liquid product may have temperature exceeding 50 °C
Special protective equipment for fire-fighters	: Use self-contained breathing equipment if in confined place.
Special protective action for fire-fighters	: Keep away from source of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible.



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6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Avoid contact with skin and eyes. Use gloves, face shield.
- Environmental precautions : Do not allow to flow into drainage system.
- Methods and materials for containment and cleaning up : Collect leakage in sealable containers, soak up with sand or other inert absorbent and remove to safe place. Wash site with sodium bicarbonate solution or soda ash. 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

- Precautions for safe handling : Avoid open flames. Use gloves and wear goggles when handling.
When using do not eat, drink or smoke. Avoid contact with skin and eyes.
- Conditions for safe storage including any incompatibilities : Keep only in the original container in a cool, well ventilated place.
Do not store together with : Oxidizing agents, Alkalis.
Protect against : heating, UV-solarization/sunlight.
- Keep in a cool and dry place, avoid extreme heat and cold. Store in clean, dry preferably stainless steel vessels. In bulk, store at about 10°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 and sunlight must be minimized to prevent quality loss.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Control parameters
- Appropriate engineering controls : Facilities storing or utilizing this materials should be equipped with an eyewash facilities and safety shower
- Individual protection measures, such as personal protective equipment
- Eye/Face Protection : Tightly sealed safety glasses.
- Skin Protection : Hand protection : Recommended protective gloves are Butyl rubber, NBR (Nitrile rubber), PVC (Polyvinyl chloride).
- Respiratory Protection : If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.
- Thermal Hazards : Not applicable
- Environmental exposure controls : Do not empty into drains or the aquatic environment.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Information

Appearance	
Physical State	: Solid
Colour	: White or faintly yellowish somewhat crystalline solid
Odour	: Faint fatty odour
Odour threshold	: No information available
pH	: No information available
Titer/Titre	: 53-63°C
Initial boiling point and boiling range	: 200-240°C at 760 mmHg
Flash point	: 180-202°C (ASTM D92 Cleveland open cup)
Evaporation rate	: No information available
Flammability (solid,gas)	: Non flammable solid (EU method A.10)
Upper/lower flammability or explosive limits	: No information available
Vapour pressure	: 5.06E-5 Pa at 25° C
Vapour density	: No information available
Relative density	: 0.84-0.85 g/cm ³ at 70 °C
Solubility	: Solubility in water <0.05 mg/L at 20°C (Read across from Palmitic Acid, cas number 57-10-3)
Partition coefficient :n-octanol/water	: log K _{ow} 7.05-8.23
Auto-ignition temperature	: ca 350 °C
Decomposition temperature	: Not available
Viscosity	: 12mm ² /s at 70° C (ASTM D445)
Explosive properties	: Not explosive
Oxidizing properties	: Not an oxidising substance
Other Information	: No information available

10. STABILITY AND REACTIVITY

Reactivity	: The substance is stable.
Chemical stability	: Stable under normal operating conditions.
Possibility of hazardous reactions	: No information available.
Conditions to avoid	: Keep away from ignition sources and strong acids and bases. If product is a fine powder that may cause dust explosions Note the risk of self ignition in contact with air if the substance has been soaked in rags, cotton wool isolation materials or similar heat isolating materials.
Incompatible materials	: Avoid contact with strong oxidizing agents and bases, copper alloys and reducing agent.
Hazardous decomposition products	: Stable under normal conditions. Does not decompose up to 204°C. Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide.



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11. TOXICOLOGICAL INFORMATION

Acute toxicity	: Oral	LD ₅₀ : >5000 mg/kg bw (RA from 57-10-3)
	: Inhalation	LC ₅₀ (4h) : > 0.1621 mg/L air (RA from 124-07-2)
	: Dermal	LD ₅₀ : >2000 mg/kg bw (RA from 57-11-4)
Skin corrosion/irritation	: Rabbit	Not irritating
Eye damage/irritation	: Rabbit	Not irritating
Respiratory or skin sensitization	: Negative	
Mutagenicity	: Negative	
Carcinogenicity	: Negative	
Reproductive toxicity	: No information available	
STOT-single exposure	: No information available	
STOT-repeated exposure	: No information available	
Aspiration hazard	: No information available	

12. ECOLOGICAL INFORMATION

Ecotoxicity	: LC50 (48h) (species : Leuciscus idus) : > 1000 mg/L
	: EC50 (48h) (species : Daphnia magna) : > 4.8 mg/L (RA 57-10-3)
Persistence and Degradability	: Readily biodegradable
Bioaccumulative potential	: No potential for bioaccumulation
Mobility in soil	: No information available
Result of the PBT and vPvB assesment	: Not a PBT or vPvB substance
Other adverse effects	: No information available

13. DISPOSAL CONSIDERATIONS

Disposal methods	: Dispose of content/container to an approved waste disposal plant. Do not dispose via sinks, drains or into the immediate environment. Dispose only in accordance with local, state and federal regulations.
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14. TRANSPORT INFORMATION

Land Transport (ADR/RID)	: Not classified
Sea Transport (IMDG Code)	: Not classified
Air Transport (IATA)	: Not classified
Inland waterways Transport (ADN)	: Not classified
Transport in Bulk (Annex II of MARPOL 73/78 and the IBC code)	
Product Name	: Fatty Acids, (C16+)
Ship Type	: 2
Pollution category	: Y



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15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture :

Inventories List

AICS (Australia)	: Listed
DSL (Canada)	: Listed
NDSL (Canada)	: No
IECSC (China)	: Listed
EINECS (EU)	: Yes (EC No. : 266-928-5)
ECL (Korea)	: Yes (KE-14228)
NZIoC (New Zealand)	: Yes (HSNO Approval Code HSR003930)
PICCS (Philippines)	: Listed
TSCA (USA)	: Listed

Chemical Safety assessment : No information available.

16. OTHER INFORMATION

Document No.	: SDS-FGQ-14
Revision No.	: 3.00
Issue date	: 10-Mar-18

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Format date : 27 Nov 2012