

Group of Chemicals:	Fatty Acids	SDS No.:	SDS-QC-019
Commercial Name :	PALMITIC/STEARIC		
Common Name/Other Name:	ACID Hexadecanoic/Octadecanoic Acid / Fatty Acid C16-C18		

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE

Product name:

Palm Triple Pressed Acid, Palmitic Acid 60% Min.

Trade name

Palmac 55-16, Palmac 630, Palmac 640, Palmac 60-16, Palmac KO.

Recommended uses:

Raw material for manufacturing oleochemical derivatives for Pharmaceutical, food, cosmetic and industrial use.

SECTION 2. HAZARDS IDENTIFICATION

Product is non-hazardous

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

General chemical description:

Palmitic/Stearic Acid or Hexadecanoic/Octadecanoic Acid,
formula $C_{16}H_{32}O_2 + C_{18}H_{36}O_2$

CAS-number:

67701-03-5

EINECS- number:

266-928-5

Ingredients

	CAS-number	EINECS- number
Palmitic Acid	57-10-3	200-312-9
Stearic Acid	57-11-4	200-313-4

SECTION 4. FIRST-AID MEASURES

When inhaled:

Sore throat, cough
Remove to fresh air. If suffocation is serious, take to a doctor

When in contact with skin:

Redness, pain
Remove contaminated clothing, flush skin with water or shower, take to a doctor if necessary

When in contact with eyes:

Redness, pain
Flush with water; take to a doctor if necessary

When ingested:

Sore throat, abdominal pain
Rinse mouth, drink plenty of water, see physician

SECTION 5. FIRE-FIGHTING MEASURES

Suitable fire-fighting agents:

Use dry powder, foam, carbon dioxide

Extinguishing media which must not be used for safety reasons:

Water jet

Specific hazards in the event of fire:

Combustible, keep away from open flame, no smoking

Protection of fire-fighters (use of protective equipment, etc.):

Use self-contained breathing equipment if in confined place

SECTION 6. ACCIDENT RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

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. Wipe clean.

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

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Use gloves and wear goggles when handling.

Conditions for safe storage, including any incompatibilities:

Keep in a cool and dry place, avoid extreme heat and cold.
Avoid direct fire. Keep separate from oxidants.
Store in clean, dry, preferably stainless steel vessels.
In bulk, store at about 10 deg C above melting point or ambient. Temperature higher than necessary degrades quality at rate dependent on time and temperature of exposure.

SECTION 8. EXPOSURE CONTROLS /PERSONAL PROTECTION**Control parameters:**

None

Appropriate engineering controls:

No special measures required.

Individual protection measures, such as personal protective equipment (PPE):

Immediately remove soiled or soaked clothing.
Hand protection : suitable protective gloves.
Eye protection : protective goggles.
Body protection : suitable protective clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Waxy, white crystalline solid
Odour	Faint fatty Odor
Melting point / freezing point	55-60 °C
Initial boiling point and boiling range	>300 °C @ 760mm Hg
Flash point	>200 °C (Pensky-Martens closed cup)
Flammability (solid, gas)	Not flammable
Upper/lower flammability or explosive limits	Not explosive
Vapour pressure	<1.0 mm Hg @ 165°C
Solubility	None @ 20 °C
Auto-ignition temperature	>250 °C
Density @ 75 °C	0.85 g/ml
Relative molecular mass	256.4-284.5

SECTION 10. STABILITY AND REACTIVITY**Reactivity:**

None known

Chemical stability:

None known

Possibility of hazardous reactions:

None known

Conditions to avoid:

Avoid direct fire, Strong Oxidants/alkalis

Incompatible materials:

Strong Oxidants

Hazardous decomposition products:

None known

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Oral (rat): LD₅₀ > 10000mg/kg

Skin corrosion/irritation:

Primary skin irritation (rabbit) : Not available

Serious eye damage/irritation:

Not available

Respiratory or skin sensitization:

Not available

Germ cell mutagenicity:

Not available

Carcinogenicity:

Not available

Reproductive toxicity:

Not available

STOST-single / repeated exposure:

Not available

Aspiration hazard:

Not available

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity:

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

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

Persistence and degradability:

Readily biodegradable

Bioaccumulative potential:

Log Pow = Not available

Mobility in soil:

Not available

Other adverse effect:

Not available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal method:

Waste incineration with the approval of the responsible local authority.

SECTION 14. TRANSPORT INFORMATION

UN Number:

None

UN Proper Shipping Name:

None

Transport Hazard Class:

Not hazardous according to RID/ADR, GGVS/GGVE, ADNRR, IMDG, ICAO-TI/IATA-DGR.

Packing Group:

None

Environmental Hazard:

Marine pollutant (Yes/No): No
MARPOL Annex II: Category Y

SECTION 15. REGULATORY INFORMATION

Classification and labelling according to GHS:

None

Classification and labelling according to EC:

None

SECTION 16. OTHER INFORMATION

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

Disclaimer

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