

**EDENOR
ST 1 MY
(Stearic Acid)**

- Unique stearic:palmitic acids ratio of 42:55 provides a macro-crystalline structure with desired hardness and shrinkage.
- Light initial colour, good heat stability and low odour.
- Widely used in cosmetic industry, stabilisers, lubricants, resins and chemical intermediates.
- This product is of 100% vegetable origin and Kosher certified.

Specifications

Quality Control Data ¹

	Method	Specified Range	Typical values
Acid value mgKOH/g	AOCS Te 1a-64	206-213	211
Iodine value % I ₂	AOCS Tg 1a-64	≤ 0.5	0.4
Titer °C	AOCS Tr 1a-64	54-56	55.1
Colour Lovibond 5¼"	AOCS Cc 13e-92	≤ 0.2R 2Y	0.1R 1.0Y
Chain distribution %			
C12		0-1	0.6
C14	ISO 5508/	0-2	1.1
C16	ISO 5509	52-58	56.4
C18		40-45	41.3
>C18		0-1	0.6

Additional Specifications ²

	Method	Specified Range
Sap. value mgKOH/g	AOCS Tl 1a-64	206-214
Water content %	ISO 760	≤ 0.2
Unsap. matter %	AOCS Ca 6a-40	≤ 1.0

Note:

- ¹ determined for each production batch
- ² guaranteed but not determined for each batch

Forms of delivery: Flakes, Beads in bags or in bulk.

Storage information: Stable for at least 2 years at temperature below 50°C.

Country of Origin: Malaysia.

CAS-No.
67701-03-5

HS-No.
3823.11.000

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All data including the formulations and procedures discussed herein are believed to be correct. However, this should not be accepted as a guarantee of their accuracy, and confirming tests should be run in your own plant or laboratory. No statement should be construed as a recommendation for any use which would violate any patent rights. Sales of all products are pursuant to terms and conditions included in Emery sales documents. Nothing contained herein shall constitute a guarantee or warranty with respect to the products described or their use. Safety information regarding these products is contained in their Material Safety Data Sheets. Users of these products are urged to study and use this information.

1. Name of substance/preparation and company

Trade name:

Edenor ST 1 MY

Company name:

Emery Oleochemicals (M) Sdn. Bhd. Malaysia. Phone: ++6(03)-33268686

2. Possible product risks

Special hazards for man and environment:

None if used for intended purpose.

3. Composition/information on ingredients

General chemical description:

Mixture of Palmitic and Stearic acid, Stearic "Iodine Value 1".

4. First-aid measures

After inhalation:

Not relevant.

After skin contact:

Rinse with running water and soap. Skin care: remove contaminated clothes.

After eye contact:

Immediately flush eyes with copious amounts of running water (for 10 minutes), see an oculist.

After ingestion:

Flush oral cavity, drink plenty of water, and see a physician.

5. Fire-fighting measures

Suitable extinguishing media:

Foam, extinguishing powder, carbon dioxide, water spray jet.

Extinguishing media which must not be used for safety reasons:

None known

Special hazards by the product itself from combustion products or from resulting gases:

None known.

Special protective equipment for fire fighters:

Wear protective equipment.

6. Accident release measures

Personal precautions:

Not required.

Environment precautions:

Do not allow to flow into drainage system.

Process for cleaning and take-up:

Remove mechanically.

7. Handling and storage

Handling:

Avoid open flames.

Storage:

Keep container tightly sealed.
Storage Class: VCI-storage class: 11 (BRD).

8. Exposure controls/personal protection

Additional information for system design:

No special measures required.

Respirator protection:

Not necessary.

Personal protection:

Do not eat and drink while working.
Hand protection : suitable protective gloves.
Eye protection : protective goggles.
Body protection: suitable protective clothing.

9. Physical and chemical properties

Designation	Value	Testing for
Physical state	Solid	
Delivery state	Solid	
Odour	Fatty	
Colour(s)	white	
Boiling point	200-225°C	No information
Titer	approx. 55°C	AOCS Tr 1a-64
Solidification range	approx. 51°C	
Viscosity @ 60°C	approx. 11 mPa.s	AOCS Ja 10-87:1997
Flash point	> 180°C	DIN ISO 2592 (Cleveland)
Density (60 °C)	approx 0.86 g/ml	No information
Solubility (qualitative) (20 °C; Solvent: water)	insoluble	No information

10. Stability and reactivity

Conditions to avoid

No decomposition if used according to specifications.

Materials to avoid:

None known if used for intended purpose.

Hazardous decomposition products:

None known if used for intended purpose.

11. Toxicological information

In case of appropriate handling and application no disadvantageous effects for health have been reported.

12. Ecological information

The following data are estimated on the basis of the raw materials contained in the product and/or of structurally comparable substances.

Persistence and degradability:

Readily and rapidly degradable: all individual organic substances contained in the product achieve values in tests for ready degradability (e.g. OECD 301 A-F) of at least 60% BOD/COD or 70% DOC reduction (tolerance value for classification as "readily degradable": $\geq 70\%$ DOC reduction or $\geq 60\%$ BOD/COD in 28 days)

Aquatic toxicity:

Acute fish toxicity:	LC 50 > 10 to 100 mg product/l.
Acute bacteria toxicity:	EC 50 > 100 mg product/l.
Chronic bacteria toxicity:	EC 50 > 10 to 100 mg product/l.

13. Disposal considerations

Product Disposal:

Waste incineration with the approval of the responsible local authority.

14. Transport information

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

15. Regulatory information

Classification and labelling according to GefStoffv:

Symbols of danger:

Not subject of the identification according to GefStoffV:

R-phrases:

Not applicable.

S-phrases:

Not applicable.

National prescriptions:

WGK= 0. (classification by the German commission).

16. Other information

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.