



SOUTHERN ACIDS INDUSTRIES SDN. BHD.
(207048-P)

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POFAC 1655L

SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

- 1.1 Product identifier** : Triple Pressed Stearic Acid (POFAC 1655L)
- 1.2 Relevant identified uses of the substance and uses advised against**
Relevant identified uses : Raw material for manufacturing oleochemical derivatives
Uses advised against : No uses identified to be advised against
- 1.3 Details of the supplier of the SDS**
Company Name : Southern Acids Industries Sdn Bhd
Address : Level 29, Centro Tower, No. 8, Jalan Batu Tiga Lama,
41300 Klang, Selangor Darul Ehsan, Malaysia.
Tel : 603-32583333
Fax : 603-32583355
- 1.4 Emergency telephone number** : 6019-2620138

SECTION 2 : HAZARDS IDENTIFICATION

2.1 Classification of the substance
Classification according to OSHA-GHS 29 CFR 1910.1200

- Physical Hazard** : Non-classification
- Human Health Hazard** : Non-classification
- Environmental Hazard** : Non-classification

- 2.2 Label elements**
Hazard pictogram : No Pictogram



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Signal Word : No Signal Word
Hazard Statement : No Hazard Statement
Precautionary Statement : Call a Poison center/doctor/physician if you feel unwell

2.3 Other hazards : Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Molecular formula

C₁₆H₃₂O₂ + C₁₈H₃₆O₂

Chemical Name	Synonyms	Cas No	Concentration (%)	EINECS No
Fatty acids, C16-18	Hexadecanoic- Octadecanoic Acid	67701-03-5	99	266-928-5

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation : Remove source of contamination or have victim move to fresh air. If suffocation is serious, obtain medical attention immediately.

Skin Contact : Take off immediately all contaminated clothing. Rinse skin with water/shower. Obtain medical attention if necessary.

Eye Contact : Immediately flush the contaminated eye with running water for several minutes. Obtain medical attention if necessary.

Ingestion : If swallowed, do not induce vomiting. Rinse mouth, drink plenty of water. Obtain medical attention if necessary. Never give anything by mouth to an unconscious person.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.





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4.2 Most important symptoms and effects, both acute and delayed

No known significant effects or critical hazards

4.3 Indication of the immediate medical attention and special treatment needed

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatment : No specific treatment

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media : Form. Dry powder or carbon dioxide

Unsuitable extinguishing media : Not available

5.2 Specific hazard arising from the substance : Thermal decomposition may emit toxic fumes of carbon monoxide

5.3 Advice for fire-fighters : Wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through split material. Put on appropriate personal protective equipment.

For emergency responders : Use suitable protective equipment.

6.2 Environmental precautions : Avoid dispersal of split material and runoff and contact with soil, waterways, drains and sewers.





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- 6.3 Methods and materials for containment and cleaning up** : For liquid spills, absorb with sand or other non-combustible material and transfer to container for disposal
Can also allow spillage to solidify, then sweep or shovel into container. Dispose according to local regulation
- 6.4 Reference to other sections** : See section 1 for emergency contact information.
See section 7 for information on safe handling.
See section 8 for information on personal protective equipment.
See section 13 for information on disposal.

SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** : Avoid contact with eyes, skin, and clothing. To use gloves when handling. Wash thoroughly after handling.
- 7.2 Conditions for safe storage, including any incompatibilities.** : Store in original container in a dry and well-ventilated area.
Do not store near possible sources of ignition.
For quality reasons, avoid elevated temperatures.
- 7.3 Specific end use(s)** : Not available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
Occupational exposure limits : Not established
- 8.2 Exposure controls**
Appropriate engineering control : No special measures required
- Personal protective equipment**
Eye/face Protection : Goggles or face shield with goggles, dependent upon potential exposure
- Skin Protection** : Protective gloves





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- Respiratory Protection** : None required for ambient temperature, although an appropriate NIOSH approved air-purifying respirator should be used if a mist or vapor is generated
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 information on basic physical and chemical properties

- Appearance : Waxy ,white yellowish crystalline solid
- Odor : Slight bland/ Tallow-like odor
- Odour threshold : Not available
- pH : Not available
- Melting point : 53 - 63 °C
- Boiling point : 200-240 °C @ 760 mm Hg
- Flash point : 180-202 °C (ASTM D92, Cleveland open cup)
- Evaporation rate : Not applicable
- Flammability (solid, gas) : Not Flammable
- Vapor pressure : $< 5.06 \times 10^{-5}$ Pa @ 25 °C
- Vapor density : Not available
- Density : 0.85-0.90 g/cm³ @ 20°C
- Solubility : < 0.05 mg/L @ 20°C
- Partition coefficient (n-octanol/water) : 7.05-8.23
- Auto-ignition temperature : ~ 350°C
- Decomposition temperature : > 204 °C
- Viscosity : 12mm²/s @ 70°C (ASTM D445)
- Explosive properties : Not Explosive
- Oxidising properties : Not an oxidising substance

9.2 Other information

No additional information



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SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity** : None known
- 10.2 Chemical Stability** : Stable under normal operation conditions
- 10.3 Possibility of hazardous reaction** : None known
- 10.4 Condition to avoid** : Overheating
- 10.5 Incompatible substance** : Avoid strong oxidizing agents
- 10.6 Hazardous decomposition products** : Does not decompose up to 204⁰C. Thermal decomposition or burning may produce carbon monoxide and /or carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological information

- Acute oral** : LD50 rat > 5000mg/kg bw
(OECD 401; Analogy CAS 57-10-3, CAS 57-11-4)
- Dermal** : LD50 rabbit > 2000mg/kg bw (Analogy CAS 57-11-4)
- Inhaled** : LD50 rat (4hr) > 0.152mg/L (Analogy CAS 124-07-2)
- Skin corrosion/irritation** : Not irritating (OECD 404; Analogy CAS 57-10-3, CAS 57-11-4)
- Serious eye damage/irritation** : Not irritating (OECD 405; Analogy CAS 57-10-3, CAS 57-11-4)
- Skin sensitization** : Not sensitizing (conclusive but not sufficient for classification)
- Respiratory sensitization** : No data available
- Germ cell mutagenicity** : Non-classification (conclusive but not sufficient for classification)
- Carcinogenicity** : No data available
- Reproductive toxicity** : Non-classification (conclusive but not sufficient for classification)





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Specific target organ toxicity

- Single exposure : Non-classification (conclusive but not sufficient for classification)
- Repeated exposure : Non-classification (conclusive but not sufficient for classification)

Aspiration Hazard : Non-classification (conclusive but not sufficient for classification)

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

- Fish (*Leuciscus idus*) : 48h LC₅₀ > 1000 mg/L (DIN 38412/15)
- Fish (*Danio rerio*) : 96h LC₅₀ > 1000 mg/L (ISO 7346-1; Analogy CAS 57-10-3)
- Fish (*Leuciscus idus*) : 48h LC₅₀ > 10000 mg/L (DIN 38412/15, Analogy CAS 57-11-4)

- Crustacea (*Daphia magna*) : 48h EC₅₀ > 4.8 mg/L (OECD 202; Analogy CAS 57-10-3)
- Crustacea (*Daphia magna*) : 47h EC₅₀ > 32 mg/L (EU Method C.2; Analogy CAS 57-11-4)

- Algae (*Pseudokirchneriella subcapitata*) : 72h EC₅₀ > 0.9 mg/L (OECD 201; Analogy CAS 57-10-3)

12.2 Persistence and biodegradability

- : Readily biodegradable (BODIS test; 65% degradation after 28 days; Analogy CAS 57-10-3) (OECD 301B test; 65% degradation after 28 days; Analogy CAS 57-11-4)

12.3 Bioaccumulative potential

- BCF (28 Day) : 225 L/kg (Analogy C12 fatty acid-sodium laurate)

12.4 Mobility in soil

- Log Koc : 4.12 - 4.71 (Analogy CAS 57-10-3 and 57-11-4 : estimated by calculation base on KOCWIN programme)

12.5 Results of PBT and vPvB assessment

- : No PBT or vPvB substance

12.6 Other adverse effects

- : None known significant effects or critical hazards.





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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose according to local regulation. Do not dispose of via sinks, drains or into the immediate environment

SECTION 14: TRANSPORT INFORMATION

- 14.1 UN Number** : None
- 14.2 UN Proper Shipping Name** : None
- 14.3 Transport Hazard Class** : Not hazardous according to RID/ADR, GGVS/GGVE, ADNR, IMDG, ICAO-TI/IATA-DGR
- 14.4 Packing Group** : None
- 14.5 Environmental Hazard
Marine pollutant (Yes/No)** : No
- 14.6 Specious precautions for user** : Not available
- 14.7 Transport in bulk according
to Annex II of MARPOL
73/78 and the IBC Code** : Y
Category





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SECTION 15: REGULATORY INFORMATION

15. Regulatory information

Chemical Inventory

EU	EINECS (Existing Inventory of Existing Commercial Chemical Substances)	Listed
USA	TSCA (Toxic substances control act)	Listed
Australia	AICS (Australian Inventory Chemical Substances)	Listed
China	IECSC (Inventory of Existing Chemical Substances in China)	Listed
Korea	ECL (Existing Chemical List)	Listed
Japan	ENCS (Existing and New Chemical Substances)	Listed

SECTION 16: OTHER INFORMATION

16.1 Revision information

Date of revision : 10-4-15
Date of previous revision : N/A

16.2 Key literature references and sources for data

1) Fatty Acids, C16-18 (CAS 67701-03-5) Chemical Safety Report

This information is correct to the best of our knowledge, information and belief at the date of its publication. It is to be used as reference and guidance purpose only. It is not to be considered a warranty or quality specification.

