



# SOUTHERN ACIDS INDUSTRIES SDN. BHD.

(199001015379)

Revision No : 5

Revision Date : 01/01/23

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**POFAC 1655L**

REACH Registration Number : 01-2119543709-29-0004

## 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 : Not available
- 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 Regulation (EC) No 1272/2008 [CLP]**
- Physical Hazard** : Non-classification
- Human Health Hazard** : Non-classification
- Environmental Hazard** : Non-classification



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### 2.2 Label elements

**Labeling according to Regulation (EC) No 1272/2008 [CLP/CHS]**

**Hazard pictogram** : No Pictogram

**Signal Word** : No Signal Word

**Hazard Statement** : No Hazard Statement

**Precautionary Statement** : No Precautionary Statement

**2.3 Other hazards** : None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

**Molecular formula**

C<sub>16</sub>H<sub>32</sub>O<sub>2</sub> + C<sub>18</sub>H<sub>36</sub>O<sub>2</sub>

<b>Chemical Name</b>	<b>Synonyms</b>	<b>Cas No</b>	<b>Concentration (%)</b>	<b>EINECS No</b>
Fatty acids, C16-18	Hexadecanoic- Octadecanoic Acid	67701-03-5	100	266-928-5

**Impurities and stabilizing additives:** None

## 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.



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**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.

#### 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



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### 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.

**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



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### 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

*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

Physical State : solid  
Color : White to light yellow  
Odour : Slight bland/ Tallow-like odor  
pH : Not applicable  
Melting point : 53 - 63 °C  
Boiling point : 200-240 °C @ 760 mm Hg  
Flash point : 180-202 °C (ASTM D92, Cleveland open cup)



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Flammability (solid,liquid,gas)	: Not Flammable
Lower and upper explosion/	: Not explosive
Flammability limit	
Vapor pressure	: $< 5.06 \times 10^{-5}$ Pa @ 25 °C
Vapor density	: Not data available
Density	: 0.85-0.90 g/cm <sup>3</sup> @ 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
Kinematic Viscosity	: 12mm <sup>2</sup> /s @ 70°C (ASTM D445)
Oxidising properties	: Not an oxidising substance
Particle characteristics (solid)	: No data available

### 9.2 Other information

No additional information

## SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	:None known
<b>10.2 Chemical Stability</b>	:Stable under normal operation conditions
<b>10.3 Possibility of hazardous reaction</b>	:None known
<b>10.4 Condition to avoid</b>	:Overheating
<b>10.5 Incompatible substance</b>	:Avoid strong oxidizing agents
<b>10.6 Hazardous decomposition products</b>	:Does not decompose up to 204°C. Thermal decomposition or burning may produce carbon monoxide and /or carbon dioxide



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### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological information

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



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## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Fish ( <i>Leuciscus idus</i> )	: 48h LC <sub>50</sub> > 1000 mg/L (DIN 38412/15)
Fish ( <i>Danio rerio</i> )	96h LC <sub>50</sub> > 1000 mg/L (ISO 7346-1; Analogy CAS 57-10-3)
Fish ( <i>Leuciscus idus</i> )	48h LC <sub>50</sub> > 10000 mg/L (DIN 38412/15, Analogy CAS 57-11-4)
Crustacea ( <i>Daphia magna</i> )	: 48h EC <sub>50</sub> > 4.8 mg/L (OECD 202; Analogy CAS 57-10-3)
Crustacea ( <i>Daphia magna</i> )	: 47h EC <sub>50</sub> > 32 mg/L (EU Method C.2; Analogy CAS 57-11-4)
Algae ( <i>Pseudokirchneriella subcapitata</i> )	: 72h EC <sub>50</sub> > 0.9 mg/L (OECD 201; Analogy CAS 57-10-3)

<b>12.2 Persistence and biodegradability</b>	: 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)
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<b>12.3 Bioaccumulative potential</b>	
BCF (28 Day)	: 225 L/kg (Analogy C12 fatty acid-sodium laurate)

<b>12.4 Mobility in soil</b>	
Log Koc	: 4.12 - 4.71 (Analogy CAS 57-10-3 and 57-11-4 : estimated by calculation base on KOCWIN programme)

<b>12.5 Results of PBT and vPvB assessment</b>	: No PBT or vPvB substance
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<b>12.6 Endocrine disruptors</b>	: No data available
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<b>12.7 Other adverse effects</b>	: 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 Special precautions for user : Not available

14.7 Transport in bulk according to IMO instruments : Category Y



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### SECTION 15: REGULATORY INFORMATION

#### 15.1 Regulatory information

##### Chemical Inventory

EU	EINECS (Existing Inventory of Existing Commercial Chemical Substances)	Listed
USA	TSCA (Toxic substances control act)	Active
Australia	AICS (Australian Inventory Chemical Substances)	Listed
China	IECSC (Inventory of Existing Chemical Substances in China)	Listed
Korea	ECL (Existing Chemical List)	Listed
Taiwan	TCSI (Taiwan Chemical Substance Inventory)	Listed
Japan	ENCS (Existing and New Chemical Substances)	Listed
New Zealand	NZIoC (New Zealand Inventory of Chemicals)	Listed
Canada	DSL (Domestic Substances List)	Listed

#### 15.2 Chemical safety assessment

Chemical safety assessment is not needed. The substances do not meet the criteria for classification as hazardous nor is it considered to be a PBT/vPvB.

### SECTION 16: OTHER INFORMATION

#### 16.1 Revision information

Date of revision : 01-01-23

Date of previous revision : 09-03-21

#### 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.