

**PT. PERMATA HIJAU PALM OLEO**

Jalan Gajah Mada No.35 Medan - 20154 - Indonesia

Tel: +62-61 457 7777 Fax: +62-61 414 3366

Website: www.permatagroup.com**Safety Data Sheet****STERAIC ACID**

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**Product identifier**

STERAIC ACID

CAS No: 67701-03-5

EC No: 266-928-5

Details of the supplier of the safety data sheet

Company name:

Street: **PT. PERMATA HIJAU PALM OLEO**
Place: Jalan Gajah Mada No.35 Medan - 20154 - Indonesia
Telephone: Tel: +62-61 457 7777 Fax: +62-61 414 3366
e-mail: Website: www.permatagroup.com
Internet:

SECTION 2: Hazards identification**Classification of the substance or mixture**

This substance is not classified as dangerous according to Directive 67/548/EEC.

GHS classification

This substance is not classified as dangerous according to Regulation (EC) No. 1272/2008.

Label elements**Hazardous components which must be listed on the label**

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

Additional advice on labelling

No risks worthy of mention.

SECTION 3: Composition/information on ingredients**Substances****Hazardous components**

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
266-928-5	Fatty acids, C16-18	%
67701-03-5		

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures**Description of first aid measures****General information**

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible). Take off immediately all contaminated clothing. Do not leave victim unattended.

After inhalation

Move victim out of danger zone. Provide fresh air.

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After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Seek medical advice. Caution if victim vomits: Risk of aspiration!

Most important symptoms and effects, both acute and delayed

No symptoms known up to now.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 6: Firefighting measures

Extinguishing media

Suitable extinguishing media

Foam. Dry extinguishing powder. Carbon dioxide (CO₂). Sand. Water spray.

Extinguishing media which must not be used for safety reasons

High power water jet. High power water jet.

Special hazards arising from the substance or mixture

Can be released in case of fire: Pyrolysis products, toxic. Carbon dioxide (CO₂). Carbon monoxide.

Advice for firefighters

Wear a self-contained breathing apparatus and chemical resistant suit. Do not allow water used to extinguish fire to enter drains or waterways. In case of fire and/or explosion do not breathe fumes. Extinguishing materials should be selected according to the surrounding area.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Wear respiratory protection when in the presence of vapour, dust, and aerosols.

Environmental precautions

High slip hazard because of leaking or spilled product. Do not empty into drains or the aquatic environment. Retain contaminated washing water and dispose. Do not allow to enter into soil/subsoil.

Methods and material for containment and cleaning up

Ensure waste is collected and contained. Treat the assimilated material according to the section on waste disposal. Absorbent material, organic. sand Remove mechanically, placing in appropriate containers for disposal. Clean contaminated objects and areas thoroughly observing environmental regulations. Avoid generation of dust.

Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

It is recommended to organize all working processes in order to exclude the following: Inhalation, skin contact. Eye contact. Use only in well-ventilated areas.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Usual measures for fire prevention.

Further information on handling

Do not eat, drink, smoke or sneeze at the workplace.

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Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
 Keep/Store only in original container. Ensure adequate ventilation of the storage area. Keep container tightly closed.
Further information on storage conditions
 Keep the packing dry and well sealed to prevent contamination and absorption of dampness.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure controls

Occupational exposure controls

Occupational exposure controls: In the case of the formation of dust, aerosol or mist generation.

Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. Technical measures and the application of adequate working methods take priority over the use of personal protection equipment. Avoid contact with skin, eye and clothing.

Respiratory protection

Work in well ventilated zones or use proper respiratory protection.

Hand protection

Type of chemical protective gloves to choose depends on the concentration and quantity of dangerous substances as well as on work place specifications. When handling chemical substances, chemical protective gloves must be worn with CE label including a four digit code.

Eye protection

Tightly sealed safety glasses. Eye-shade.

Skin protection

When handling chemical substances, chemical protective clothing with CE label (including a four digit code) must be worn.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:

solid

Colour:

off-white

Odour:

characteristic

Melting point:

>55 °C

Boiling point:

>200 °C

Flash point:

>150 °C

Ignition temperature:

>250 °C

Density (at 75 °C):

0,85 g/cm³

SECTION 10: Stability and reactivity

Reactivity

Thermal decomposition can lead to the escape of irritating gases and vapours.

Incompatible materials

Oxidizing agents, strong. Reducing agents, strong. Alkalies (alkalis), concentrated, acid, concentrated.

SECTION 11: Toxicological information



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Information on toxicological effects

Toxicokinetics, metabolism and distribution

No information available.

Acute toxicity

CAS No	Chemical name	Exposure routes	Method	Dose	Species	Source
67701-03-5	Fatty acids, C16-18	oral	LD50	>5000 mg/kg	Rat	
		dermal	LD50	>2000 mg/kg	Rabbit	

Irritation and corrosivity

Not an irritant

Sensitizing effects

no danger of sensitization.

Severe effects after repeated or prolonged exposure

No information available.

Carcinogenic/mutagenic/toxic effects for reproduction

This substance does not meet the criteria for classification as CMR category 1 or 2.

SECTION 12: Ecological information

Toxicity

CAS No	Chemical name	Aquatic toxicity	Method	Dose	n	Species	Source
67701-03-5	Fatty acids, C16-18	Acute fish toxicity	LC50	>1000 mg/l	96	Brachydanio rerio (zebrafish)	
		Acute algae toxicity	ErC50	>0.9 mg/l	72	Selenastrum capricornutum	
		Acute crustacea toxicity	EC50	>4.8 mg/l	48	Daphnia magna	

Persistence and degradability

Product is biodegradable.

Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67701-03-5	Fatty acids, C16-18	>5

Further information

Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal

Collect the waste separately. Handle contaminated packaging in the same way as the substance itself.

Contaminated packaging

Hand over to officially registered waste disposal company.



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SECTION 14: Transport information

Land transport (ADR/RID)

Other applicable information (land transport)

Not a hazardous material with respect to these transportation regulations.

Inland waterways transport

Other applicable information (inland waterways transport)

Not a hazardous material with respect to these transportation regulations.

Marine transport

Other applicable information (marine transport)

Not a hazardous material with respect to these transportation regulations.

Air transport

Other applicable information (air transport)

Not a hazardous material with respect to these transportation regulations.

SECTION 15: Regulatory information

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

EU regulatory information

Additional information

No information available.

National regulatory information

Additional information

No information available.

SECTION 16: Other information

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. The provision of this data sheet is optional as the product does not meet the criteria of article 31 (1) a, b, c, of REGULATION (EC) No. 1907/2006.