

STEARIC ACID – SAFETY DATA SHEET
SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING
PRODUCT IDENTIFIER

Product name (as labelled)	Stearic Acid
Other Names	Raw material for manufacturing oleochemical derivatives for cosmetic use.

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Registered distributor company name	Pure Ingredients Ltd
Address	626A Rosebank Road, Avondale 1026
Telephone	+649 8135619
Website	www.pureingredients.co.nz
Email	compliance@pureingredients.co.nz

EMERGENCY TELEPHONE NUMBER

Association / Organisation	0800 CHEMCALL / 800 243 622 (24hr)
Emergency telephone numbers	111
Other emergency telephone numbers	0800 764 766

SECTION 2 HAZARDS IDENTIFICATION

Hazardous Nature: This product is classified as hazardous under HSNO criteria.

GHS label elements, including precautionary statements

Pictogram(s) no data available

Signal word no data available

Hazard statement(s) no data available

Precautionary statement(s)

Prevention: no data available

Response: no data available

Storage: no data available

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS No.	EC No.
Stearic Acid	57-11-4	200-313-4

SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

Inhalation	Sore throat, cough. Remove to fresh air. If suffocation is serious, take to a doctor
Skin Contact	Remove contaminated clothing, flush skin with water or shower, take to a doctor if necessary
Eye Contact	Flush with water; take to a doctor if necessary
Ingestion	Rinse mouth, drink plenty of water, see physician

SECTION 5 FIREFIGHTING MEASURES

Extinguishing media	Suitable: Use dry powder, foam, carbon dioxide. Not Suitable: water jet.
Specific hazards in the event of fire	Combustible, keep away from open flame, no smoking
Protection for fire-fighters	Use self-contained breathing equipment in confined place

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SECTION 6 ACCIDENTAL 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
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	Lower and upper explosion limit / explosive limits	Not explosive
Odour	Faint fatty Odor	Vapour pressure	<1.0 mm Hg @ 165°C
Melting point/ freezing point	55-60 °C	Solubility	None @ 20 °C
Boiling point or initial boiling	>300 °C @ 760mm Hg	Auto-ignition temperature	>250 °C
Flash point	>200 °C (Pensky-Martens closed cup)	Density @75 °C	0.85 g/ml
Flammability	Not flammable	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): LD 50 > 10000mg/kg

Skin corrosion/irritation (rabbit) no data available
Respiratory or skin sensitization no data available
Carcinogenicity no data available
STOT-single exposure no data available
Aspiration hazard no data available

Serious eye damage/irritation no data available
Germ cell mutagenicity no data available
Reproductive toxicity no data available
STOT-repeated exposure no data available

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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 CONSIDERATION

13.1 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, ADN, 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

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product, but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.

Reference: supplier's SDS.

Version: 00 Revision Date: 22/09/2020: PIL SDS, New issue 29032018 SA032