



Not classified as hazardous according to criteria of Worksafe Australia

Material Safety Data Sheet

1 Product and company identification

Commercial name	:	SYM-OL 6970
Product name	:	Oleic acid
Chemical name	:	
CAS No.	:	112-80-1
EINECS No.	:	2040071
MITI No.	:	2-975
Company	:	Symex Holdings Limited 14 Woodruff Street, Port Melbourne, 3207 Australia
Telefax	:	61 (0) 3 9645 3001
(Emergency) Telephone	:	61 (0) 3 9251 2311

2 Composition/information on ingredients

: Saturated and unsaturated straight chain aliphatic monocarboxylic acids, mainly oleic acid

3 Hazards identification

Health hazards	
Inhalation	: Not applicable at ambient temperature. Vapour from heated product can cause irritation.
Skin contact	: Unlikely to be irritant.
Eye contact	: Can cause irritation.
Ingestion	: Unlikely to be harmful unless excessive amount swallowed.
Physical/chemical hazards	: None identified
Environmental hazards	: None identified

4 First-aid measures

Inhalation	: Remove to fresh air.
Skin contact	: Wash with plenty of water and soap.
Eye contact	: Wash well with water without delay and obtain medical attention if any sensations persist.
Ingestion	: Remove material from mouth. Drink plenty of water. If large amount swallowed or symptoms develop obtain medical attention.

5 Fire-fighting measures

Extinguishing media	: Water (mist), foam, dry powder, carbon dioxide.
Unsuitable extinguishing media	: None
Specific hazards	: None
Special protective equipment	: Protective clothing and self-contained breathing equipment should be available for firemen.

6 Accidental release measures

Personal precautions	:	No special precautions required.
Environmental precautions	:	Minimise contamination of drains, surface and ground waters.
Methods for cleaning up	:	Absorb spillage onto inert material (e.g. sand) and collect into suitably labelled containers for disposal at an approved site. Residues and small spillages may be washed away with water and detergent.

7 Handling and storage

Handling	:	No special precautions necessary.
Storage	:	Store in the original closed containers. Avoid extremes of temperatures

8 Exposure controls/personal protection

General precautions	:	Good industrial hygiene should be followed. Avoid breathing heated vapours.
Ventilation	:	Adequate ventilation should be maintained when handling heated product.
Occupational exposure limits	:	Not established
Personal protective equipment	:	Normal precautions should be observed as for handling all chemicals.

9 Physical and chemical properties

Form/Colour/Odour	:	Liquid/Pale yellow/Faint
pH	:	Not applicable
Boiling point (10 mbar)	:	220 °C approx.
Cloud point	:	<10 °C
Flash point (COC)	:	180 °C approx.
Autoignition temperature	:	350 °C approx.
Explosive/Oxidizing properties	:	Not to be expected
Vapour pressure (20 °C)	:	<1 mbar
Density (20 °C)	:	900 kg/m ³ approx.
Solubility	:	Insoluble in water (20 °C). Soluble in many organic solvents.
Partition coefficient (log Pow) (estimated)	:	>3
Viscosity (25 °C)	:	26 mPa.s approx.

10 Stability and reactivity

Stability	:	Stable under normal conditions.
Conditions to avoid	:	-
Materials to avoid	:	Strong oxidizing agents.
Hazardous decomposition products	:	Not to be expected.
Hazardous polymerization	:	Will not occur.

11 Toxicological information

LD ₅₀ oral, rat	:	>2 g/kg
Skin and eye irritation, rabbit	:	Non irritant
Skin sensitization	:	No sensitization reactions

12 Ecological information

Degradability	:	Readily biodegradable (OECD classification)
LC ₀ , fish	:	>100 mg/l
EC ₀ , bacteria (Pseudomonas putida)	:	>100 mg/l

13 Disposal considerations

Waste disposal method	:	Recycle where possible. Incinerate according to local regulations.
Contaminated packaging	:	Observe local regulations.

14 Transport information

: Not classified in RID/ADR/DOT - ADNR - IMDG - ICAO/IATA-DGR

15 Regulatory information

EEC classification	:	Not dangerous within the meaning of Directive 67/548/EEC.
Inventory status	:	Listed on EINECS (EC), TSCA-CSI (USA), DSL (Canada), AICS (Australia), KECI (Korea) and MITI (Japan).
Water endangering class	:	1 - slightly water endangering

16 Other information

Literature references	:	Acute toxicity and irritation studies on a series of fatty acids. J. Am. Oil Chem. Soc., 56(1979), p. 760A-
	:	Final report of the safety assessment for oleic acid, lauric acid, palmitic acid, myristic acid, stearic acid. CTFA, 1987.
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To the best of our knowledge, the information contained in this sheet is correct.

However, we cannot accept responsibility or liability for any consequences arising from its use.