



Infosafe No™	1CHFA	Issue Date : June 2014	RE-ISSUED by CHEMSUPP
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Product Name : **OLEIC ACID**

Not classified as hazardous

**1. Identification**

**GHS Product Identifier** OLEIC ACID

**Company Name** CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)

**Address** 38 - 50 Bedford Street GILLMAN  
SA 5013 Australia

**Telephone/Fax Number** Tel: (08) 8440-2000  
Fax: (08) 8440-2001

**Recommended use of the chemical and restrictions on use** Soap base, manufacture of oleates, ointments, cosmetics, polishing compounds, lubricants and surface coatings, ore flotation, intermediate, food additive and laboratory reagent.

Other Names	Name	Product Code
	cis-9-Octadecenoic acid, cis-Octadec-9-enoic acid, 9,10-Octadecenoic acid, (z)-9-Octadecenoic acid, cis-Oleic acid, Elaic acid, Oleinic acid, Elainic acid	
	OLEIC ACID TG	OT004
	OLEIC ACID LR	OL004

**Other Information** EMERGENCY CONTACT NUMBER: +61 08 8440 2000  
Business hours: 8:30am to 5:00pm, Monday to Friday.

Chem-Supply Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

**2. Hazard Identification**

**GHS classification of the substance/mixture** Not classified as hazardous according to the Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004) 3rd Edition, Safe Work Australia].  
Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

**3. Composition/information on ingredients**

**Chemical Characterization** Liquid

Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Oleic acid	112-80-1	100 %		

**Other Information** Commercial oleic acid usually contains up to 6% of both linoleic and palmitoleic acids and up to 8% saturated acids.

**4. First-aid measures**

**Inhalation** Remove victim to fresh air. Seek medical advice if effects persist.

**Ingestion** Rinse mouth thoroughly with water immediately. Give water or milk to drink. DO NOT induce vomiting. Seek immediate medical assistance.

**Skin** Wash with plenty of soap and water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.

**Eye contact** Irrigate with copious quantity of water for 15 minutes. Seek medical assistance if symptoms persist.

**First Aid Facilities** Maintain eyewash fountain and safety shower in work area.

**Advice to Doctor** Treat symptomatically.

**Other Information** For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

**5. Fire-fighting measures**



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<b>Hazards from Combustion Products</b>	Oxides of carbon.
<b>Specific Methods</b>	Small fire: Use dry chemical, CO <sub>2</sub> , water spray or foam. Large fire: Use water spray, fog or foam. If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out. Note: Water spray or foam may cause frothing.
<b>Specific hazards arising from the chemical</b>	Combustible, this product will burn if exposed to fire. Containers may explode when heated. Runoff may pollute waterways. Fire or heat may produce irritating, poisonous and/or corrosive gases.
<b>Precautions in connection with Fire</b>	Wear SCBA and structural firefighter's uniform.

**6. Accidental release measures**

<b>Spills &amp; Disposal</b>	Do NOT touch or walk through this product. Stop leak if safe to do so. Prevent entry into waterways, drains, confined areas. Water spray may be used to knock down or divert vapour clouds. Cover with plastic sheet to minimize spreading. Absorb with earth, sand or other non-combustible material and transfer to container.
<b>Personal Precautions</b>	Avoid inhalation, contact with skin, eyes and clothing.
<b>Personal Protection</b>	Wear protective clothing specified for normal operations (see Section 8)
<b>Clean-up Methods - Small Spillages</b>	Absorb or contain liquid with sand, earth or spill control material. Shovel up using non sparking tools and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum or overdrum.

**7. Handling and storage**

<b>Precautions for Safe Handling</b>	Avoid prolonged or repeated contact with skin and eyes . Avoid breathing vapour, spray or mists. Avoid generating and inhaling mist.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep container tightly closed Store in a cool, dry, well-ventilated area, out of direct sunlight. Store away from heat and ignition sources. Store away from oxidising materials and strong bases.
<b>Storage Regulations</b>	Classified as C2 (Combustible Liquid) for the purpose of storage and handling in accordance with AS1940.
<b>Handling Temperatures</b>	Store above 14.5°C.

**8. Exposure controls/personal protection**

<b>Other Exposure Information</b>	A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Safe Work Australia for this product. There is a blanket limit of 10 mg/m <sup>3</sup> for dusts or mists when limits have not otherwise been established.
<b>Appropriate engineering controls</b>	Provide sufficient ventilation to ensure that the working environment is below the TWA (time weighted average). Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flame proof exhaust ventilation system is required. Refer to AS 1940-The storage and handling of flammable and combustible liquids and AS 2430-Explosive gas atmospheres for further information concerning ventilation requirements.
<b>Respiratory Protection</b>	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing vapours or mists. Select and use respirators in accordance with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. When mists or vapours exceed the exposure standards then the use of the following is recommended: Approved respirator with organic vapour and dust/mist filters. Filter capacity and respirator type depends on exposure levels.
<b>Eye Protection</b>	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
<b>Hand Protection</b>	Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: Rubber or plastic gloves.
<b>Personal Protective Equipment</b>	Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.



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<b>Footwear</b>	Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.
<b>Body Protection</b>	Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
<b>Hygiene Measures</b>	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**9. Physical and chemical properties**

<b>Form</b>	Liquid
<b>Appearance</b>	Colourless to slightly yellowish liquid. If exposed to air, may develop a yellow to brown colour.
<b>Odour</b>	Lardy odour.
<b>Melting Point</b>	7.5 °C
<b>Boiling Point</b>	365 °C (at 760 mmHg)
<b>Solubility in Water</b>	Insoluble.
<b>Solubility in Organic Solvents</b>	Soluble in alcohol, acetone, benzene, chloroform, ether and most organic solvents, fixed and volatile oils.
<b>Specific Gravity</b>	0.84
<b>Vapour Pressure</b>	0.13kPa (at 165°C)
<b>Flash Point</b>	189 °C (Pensky-Martens Closed Cup)
<b>Flammability</b>	Combustible.
<b>Auto-ignition Temperature</b>	363 °C
<b>Molecular Weight</b>	282.52
<b>Other Information</b>	Refractive Index: 1.459 (20 °C)

**10. Stability and reactivity**

<b>Chemical Stability</b>	Stable under normal use conditons.
<b>Conditions to Avoid</b>	Exposure to air. Heat, flames, ignition sources and incompatibles. On exposure to air, the material may develop a yellow to brown colour.
<b>Incompatible Materials</b>	Oxidising materials, strong bases and powdered aluminium.
<b>Hazardous Decomposition Products</b>	Oxides of carbon.
<b>Possibility of hazardous reactions</b>	May react violently on contact with strong oxidising agents with increased risk of fire. May react vigorously on contact with strong bases.
<b>Hazardous Polymerization</b>	Will not occur.

**11. Toxicological Information**

<b>Acute Toxicity - Oral</b>	LD50 (rat): 74 g/kg.
<b>Ingestion</b>	May cause irritation to mucous membrane of digestive tract. Ingestion of very large amounts may produce nausea and laxative effects.
<b>Inhalation</b>	May cause respiratory tract irritation. Low hazard for usual industrial handling.
<b>Skin</b>	Contact with skin causes slight skin irritation, redness, itching and swelling.
<b>Eye</b>	Causes slight eye irritation, redness, itching and tearing.
<b>Carcinogenicity</b>	No evidence of carcinogenic properties.
<b>Serious eye damage/irritation</b>	Eye irritation, Draize test (rabbit): 100 mg - mild.
<b>Mutagenicity</b>	No evidence of mutagenic properties.

**12. Ecological information**

<b>Ecotoxicity</b>	Quantitative data on the ecological effect of this product are not available.
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<b>Persistence and degradability</b>	Readily biodegradable.
<b>Information on Ecological Effects</b>	Fish: Fathead Minnow: LC50 = 205 mg/L/96H - Static condition
<b>Other Information</b>	Do not allow to enter waters, waste water, or soil!

**13. Disposal considerations**

<b>Disposal Considerations</b>	Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.
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**14. Transport information**

<b>Transport Information</b>	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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**15. Regulatory information**

<b>Regulatory Information</b>	Listed in the Australian Inventory of Chemical Substances (AICS).
<b>Poisons Schedule</b>	Not Scheduled

**16. Other Information**

<b>Date of preparation or last revision of SDS</b>	June 2009.
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**Literature References**

'Standard for the Uniform Scheduling of Medicines and Poisons No. 4', Commonwealth of Australia, June 2013.

Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997.

National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007.

'Labelling of Hazardous Workplace Chemicals, Code of Practice' Safe Work Australia.

Standards Australia 'AS 1940-2004 The Storage and Handling of Flammable and Combustible Liquids. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010.

Worksafe Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)]'.

Worksafe Australia, 'Hazardous Substances Information System, 2005'.

Worksafe Australia, 'National Code of Practice for the Labelling of Workplace Hazardous Substances (2011)'.

Worksafe Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]'.

**Contact****Person/Point**

Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**  
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**Empirical Formula & Structural Formula**

C18H34O2  
...End Of MSDS...

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