



Infosafe No™	1CHFA	Issue Date : June 2019	RE-ISSUED by CHEMSUPP
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Product Name : **OLEIC ACID**

Not classified as hazardous

**1. Identification**

<b>GHS Product Identifier</b>	OLEIC ACID								
<b>Company Name</b>	CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)								
<b>Address</b>	38 - 50 Bedford Street GILLMAN SA 5013 Australia								
<b>Telephone/Fax Number</b>	Tel: (08) 8440-2000 Fax: (08) 8440-2001								
<b>Emergency phone number</b>	CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)								
<b>Recommended use of the chemical and restrictions on use</b>	Soap base, manufacture of oleates, ointments, cosmetics, polishing compounds, lubricants and surface coatings, ore flotation, intermediate, food additive and laboratory reagent.								
<b>Other Names</b>	<table> <thead> <tr> <th><u>Name</u></th> <th><u>Product Code</u></th> </tr> </thead> <tbody> <tr> <td>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</td> <td></td> </tr> <tr> <td>OLEIC ACID TG</td> <td>OT004</td> </tr> <tr> <td>OLEIC ACID LR</td> <td>OL004</td> </tr> </tbody> </table>	<u>Name</u>	<u>Product Code</u>	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
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**Other Information**

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**

<b>GHS classification of the substance/mixture</b>	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).
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**3. Composition/information on ingredients**

<b>Chemical Characterization</b>	Liquid										
<b>Ingredients</b>	<table> <thead> <tr> <th><u>Name</u></th> <th><u>CAS</u></th> <th><u>Proportion</u></th> <th><u>Hazard Symbol</u></th> <th><u>Risk Phrase</u></th> </tr> </thead> <tbody> <tr> <td>Oleic acid</td> <td>112-80-1</td> <td>100 %</td> <td></td> <td></td> </tr> </tbody> </table>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard Symbol</u>	<u>Risk Phrase</u>	Oleic acid	112-80-1	100 %		
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Oleic acid	112-80-1	100 %									
<b>Other Information</b>	Commercial oleic acid usually contains up to 6% of both linoleic and palmitoleic acids and up to 8% saturated acids.										

**4. First-aid measures**

<b>Inhalation</b>	If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
<b>Ingestion</b>	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.
<b>Skin</b>	Wash with plenty of soap and water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.
<b>Eye contact</b>	Irrigate with copious quantity of water for 15 minutes. Seek medical assistance if symptoms persist.
<b>First Aid Facilities</b>	Maintain eyewash fountain and safety shower in work area.
<b>Advice to Doctor</b>	Treat symptomatically based on judgement of doctor and individual reactions of the patient.
<b>Other Information</b>	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>Handling Temperatures</b>	Store above 14.5°C.

**8. Exposure controls/personal protection**

<b>Other Exposure Information</b>	No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m <sup>3</sup> . All atmospheric contamination should be kept to as low a level as is workable. 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>	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments.



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<b>Personal Protective Equipment</b>	Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
<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): 25,000 mg/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.



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**12. Ecological information**

**Ecotoxicity** Quantitative data on the ecological effect of this product are not available.

**Persistence and degradability** Readily biodegradable.

**Information on Ecological Effects** Fish: Fathead Minnow: LC50 = 205 mg/L/96H - Static condition

**Other Information** Do not allow to enter waters, waste water, or soil!

**13. Disposal considerations**

**Disposal Considerations** Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.

**14. Transport information**

**Transport Information** Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

**15. Regulatory information**

**Regulatory Information** Listed in the Australian Inventory of Chemical Substances (AICS). Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

**Poisons Schedule** Not Scheduled

**16. Other Information**

**Literature References** 'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia.  
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.  
Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', 2011.  
Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010.  
Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]'.  
Safe Work Australia, 'Hazardous Chemical Information System, 2005'.  
Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances (2011)'.  
Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995) 3rd Edition]'.  
**Contact Person/Point** Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**  
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**Empirical Formula & Structural Formula** C18H34O2  
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