

SAFFLOWER OIL REFINED – SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

PRODUCT IDENTIFIER

Product name	Safflower Oil Refined
Use	Food, cosmetic, pharma

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

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

EMERGENCY TELEPHONE NUMBER

CHEMCALL	0800 CHEMCALL / 800 243 622 (24hr)
Emergency telephone numbers	111
Others	NZ Poisons Centre 0800 POISON (0800 764 766)

SECTION 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance: REACH Status: Exempted from compulsory Regulation according to Annex II No. 9 of Commission Regulation (EC) No. 987/2008 amending Regulation (EC) No 1907/2006 of REACH as regards Annexes IV and V.
Classification according to Regulation (EC) 1272/2008: Not classified.
Classification according to Directive 67/548/EWG: Not classified.

2.2 Label elements
Signal word: No signal word.
Hazard statements: No known significant effects or critical hazards.

2.3 Other hazards: No.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

INCI	Carthamus Tinctorius Seed Oil		Mixture of triglycerides from different fatty acids.
CAS No	8001-23-8	EINECS No	232-276-5

SECTION 4 FIRST AID MEASURES

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

Inhalation	Fresh air. Get medical attention if symptoms occur.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Skin Contact	Flush contaminated skin with plenty of water, wash with soap and rise thoroughly. Remove contaminated clothing and shoes.
Eye Contact	Immediately flush eyes with plenty of water. Check for and remove any contact lenses. Get medical attention if irritation occurs.

4.2 Most important symptoms and effects, both acute and delayed Potential acute health effects
Ingestion: No known significant effects or critical hazards
Inhalation: No known significant effects or critical hazards
Skin contact: No known significant effects or critical hazards
Eye contact: No known significant effects or critical hazards

SECTION 5 FIREFIGHTING MEASURES

5.1 Extinguishing media Suitable extinguishing media: Foam, dry chemical powder, carbon dioxide, sand or earth. Unsuitable extinguishing media: Water with full jet.

5.2 Special hazards arising from the substance: Avoid contact with oxidising agents. Combustion products: smoke, CO, CO₂. At high temperatures acrolein may be formed.

5.3 Advice for firefighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode. Clothing for fire-fighters conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

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SECTION 6 ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

The usual precautions for handling chemicals should be observed. Do not touch or walk through spill material. Put on appropriate personal protective equipment.

6.2 Environmental precautions: Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers.

6.3 Methods and materials for containment and cleaning up

Small spill: Stop leak if without risk. Move container from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move container from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillage into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via licensed waste disposal contractor.

SECTION 7 HANDLING AND STORAGE**7.1 Precautions for safe handling**

Advice on general occupational hygiene

The usual precautions for handling chemicals should be observed. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters: Not applicable.

8.2 Exposure controls: Individual protection measures

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing.

Eye protection: safety eyewear.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. >8 hours (breakthrough time): neoprene, nitrile, Viton®.

Skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: organic vapour filter.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Colour	See product spec sheet.
Odour	See product spec sheet.
Flash Point (open cup)	>288°C
Boiling Point	>350°C
Vapour pressure @20C	< 1 mbar
Density @20C	ca. 0,91 – 0,93 g/cm ³
Viscosity @20C	60 – 70 cp

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SECTION 10 STABILITY AND REACTIVITY

- 10.1 Reactivity: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical Stability: The product is stable.
10.3 Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid: No specific data.
10.5 Incompatible materials: see section 7. Avoid contact with oxidising agents.
10.6 Hazardous decomposition products: smoke and irritating vapours when heated to decomposition. At very high temperatures acrolein may be formed.

SECTION 11 TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects: Not toxic.
Irritation/Corrosion: No irritating effect.
Sensitization: Not available.
Carcinogenicity: No further relevant information available.

Specific target organ toxicity (single exposure): Not available.
Specific target organ toxicity (repeated exposure): Not available.

Not classified as hazardous conform EEC Dangerous Substance Directive and Dangerous Preparation Directives. If the product is used properly it will not cause any injuries to health.

SECTION 12 ECOLOGICAL INFORMATION

- 2.1 Toxicity: No data available.
12.2 Persistence and degradability Product is biodegradable.
12.3 Bioaccumulative potential: No data available.
12.4 Mobility in soil: No data available.
12.5 Results of PBT and vPvB assessment: No

SECTION 13 DISPOSAL CONSIDERATION

Methods of disposal:

Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Packaging: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

EU-disposal code: 13 08 99 oil waste. Classification of waste is in end user's individual authority.

SECTION 14 TRANSPORT INFORMATION

No hazardous goods according UN, IMO, ADR/RID und IATA/ICAO.

SECTION 15 REGULATORY INFORMATION

Other EU regulations

National regulation

REACH Status: Exempted from compulsory Regulation according to Annex II No. 9 of Commission Regulation (EC) No. 987/2008 amending Regulation (EC) No 1907/2006 of REACH as regards Annexes IV and V.

Not classified as dangerous according to CLP Regulation (EC) No. 1272/2008.

Not classified as dangerous according to Directive 67/548/EC or Directive 1999/45/EC.

Water hazard class: 1

15.2 Chemical Safety Assessment: complete.

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.

References:

Manufacturer's Safety Data Sheet

Version: 00 Revision Date: 05/ 06/ 2019: PIL SA169 SDS 0016082016, New issue.

Version: 01 Revision Date: 04/05/2020: PIL SDS Change of address - no changes to SDS.