

GINGER ESSENTIAL OIL – SAFETY DATA SHEET

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

PRODUCT IDENTIFIER

Product Name	Ginger Essential Oil	
INCI Name	Zingiber Officinale Root Oil	
CAS Number	8007-08-7	


DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Registered distributor company name	Pure Ingredients Ltd	Pure Nature
Address	626A Rosebank Road, Avondale 1026	626A Rosebank Road, Avondale 1026
Telephone	+64 9 813 5619	+64 813 9412
Website	www.pureingredients.co.nz	www.purenature.co.nz
Email	compliance@pureingredients.co.nz	info@purenature.co.nz

EMERGENCY TELEPHONE NUMBER

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

SECTION 2 HAZARDS IDENTIFICATION

HSNO Hazard Classification	Skin corrosion/irritation – Category 2 Serious eye damage/eye irritation – Category 2A	6.3A 6.4A
HSNO Approval Number	HSR002503	
Hazard Nature	This product is classified as HAZARDOUS under HSNO criteria	
Pictogram(s)		
Signal Word	WARNING	
Hazard Statement(s)	Causes skin irritation. Causes serious eye irritation.	
Prevention Statements(s)	Nil	
Response Statement(s)	Nil	
Storage Statement(s)	Nil	
Disposal Statement(s)	Nil	

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

% [volume/weight]	INCI Name	CAS No.
100	Zingiber Officinale Root Oil	8007-08-7

SECTION 4 FIRST AID MEASURES

General advice	Remove contaminated soaked clothing and wash before reuse. Transfer the patient to a safe place. Consult a doctor. Show the chemical safety instructions to the doctor at the scene.
If inhaled	Remove person to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
In case of skin contact	After contact with skin, wash immediately affected area with soap and plenty of water.
In case of eye contact	In case of contact with eyes, rinse immediately with plenty of water for at least 10 minutes and seek medical advice.
If swallowed	Rinse mouth with water (only if the person is conscious). Obtain medical advice.

SECTION 5 FIREFIGHTING MEASURES

Flammability of the product	No data available.
Auto-ignition temperature	No data available.
Flash points	199.00°C
Flammable limits	No data available.
Products of combustion	No data available.

GINGER ESSENTIAL OIL – SAFETY DATA SHEET

SECTION 5 FIREFIGHTING MEASURES

Fire hazards in presence of various substances	No data available.
Suitable extinguishing media	Water spray, carbon dioxide, dry chemical powder or appropriate foam. For safety reasons do not use full water jet.
Special hazards arising from the substance or mixture	Emits toxic fumes under fire conditions.
Advice for firefighters	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Further information	Use water spray to cool unopened containers.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Keep people away, evacuate area.
Environmental precautions	To avoid possible contamination of the environment, Do not discharge into any drains, surface waters or groundwaters.
Methods and materials for containment and cleaning up	Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers using non-sparking tools and transport outdoor. Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater). Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling	Measures should be taken to prevent materials from being splashed into the eyes or on the skin. Wear eyeshields and protective clothing. Smoking should not be permitted in work areas.
Conditions for safe storage, including any incompatibilities	Provide suitable air extraction ventilation in the work areas. Vapors may form explosive mixtures with air. Keep material away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges). To be stored in tightly sealed and preferably full containers in cool, dry and ventilated area. Protect from heat/overheating and light sources. Keep in glass, suitable plastic, aluminum or laquer-lined containers.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS	
Appropriate engineering controls	The location of the workplace is recommended to be separated from other workplace. Closed operation to prevent leakage. Strengthen ventilation. Setting automatic alarm and accident ventilation facilities. Setting up emergency evacuation passages and necessary purge areas. Set up a red area warning line, Warning signs and Setting up a communication alarm system. Provide safe shower and eye washing equipment.
Control of environmental exposure	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
PERSONAL PROTECTION EQUIPMENT	
Eye/face protection	Chemical safety goggles are recommended. Wash contaminated goggles before reuse.
Skin protection	Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.
Body protection	Light protective clothing recommended. Wash contaminated clothing before reuse.
Respiratory protection	Do not breath vapors. Mechanical exhaust required. In confined or poorly ventilated areas, the use of an appropriate respiratory protection may be required.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/form	Pale yellow – dark brown liquid	Flash point	150°C
Odour	Spicy woody terpene warm ginger citrus	Relative density @ 20°C	0.873 – 0.885
Boiling point	254°C	Water solubility	Slightly soluble

SECTION 10 STABILITY AND REACTIVITY

Reactivity	No data available.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available.
Conditions to avoid	Heat, excessive heat, open flames and other sources of ignition.
Incompatible materials	Moisture, light, heat, strong oxidizing agents, strong reducing agents, strong bases.
Hazardous decomposition products	Hazardous combustion or decomposition products: carbon monoxide, carbon dioxide. Hazardous polymerization will not occur.

GINGER ESSENTIAL OIL – SAFETY DATA SHEET

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity	Irritating to skin and eyes.
Oral toxicity (LD50)	Gavage-Rat [sex: M, F]: 1510.00 mg/kg Oral-Mouse: 1859.00 mg/kg Gavage-Guineapig [sex: M, F]: 1260.00 mg/kg Oral-Rat: 3210.00 mg/kg Gavage-Rat [sex: M, F]: 1510.00 mg/kg
Dermal toxicity (LD50)	Skin-Rabbit: > 5000.00 mg/kg
Skin corrosion/irritation	Skin-Rabbit: 500.00 mg/24hours moderate
Serious eye damage/eye irritation	No data available.
Respiratory or skin sensitisation	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity IARC	No data available.
Reproductive toxicity	No data available.
STOT - single exposure	No data available.
STOT - repeated exposure	No data available.
Aspiration hazard	No data available.

SECTION 12 ECOLOGICAL INFORMATION

Toxicity	Fish LC50: > 110.00 MG/L/96H (Leuciscus idus) Algae EC50: 43.00 MG/L/72H (Algae) Daphnia EC50: 83.00 MG/L/48H (Daphnia) Bacteria: No data available.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	No data available.
Further information	Prevent contamination of soil, ground and surface waters. Do not discharge product unmonitored into the environment.

SECTION 13 DISPOSAL CONSIDERATION

Product	Recycle as much as possible. If it cannot be recycled, it will be disposed of by incineration. It is forbidden to dispose of this product by way of discharging to sewers.
Contaminated packaging	Dispose of in accordance with all federal, state and local environmental regulations.

SECTION 14 TRANSPORT INFORMATION

Transport	Road & Rail	Marine	Air
UN number	Not dangerous goods	Not dangerous goods	Not dangerous goods
UN proper shipping name	Nil	Nil	Nil
Transport hazard class(es)	Nil	Nil	Nil
Packing group	Nil	Nil	Nil

SECTION 15 REGULATORY INFORMATION

European information	Xi - Irritant R 36/38 - Irritating to skin and eyes. S 02 - Keep out of the reach of children. S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 36 - Wear suitable protective clothing
Reviews, standards, and regulations	NOES 1983: HZD X5044; NIS 40; TNF 6993; NOS 62; TNE 100333; TFE 61328 EPA TSCA SECTION 8(B) CHEMICAL INVENTORY EPA TSCA SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES EPA TSCA TEST SUBMISSION, (TSCATS) DATA BASE, JANUARY 2001Y.
Hazardous materials identification system	Health Hazard: 2 Fire Hazard: 1 Reactivity: 0 Personal Protection: B

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: 15/ 03/ 2018: PIL SA224 SDS 0007012017, New issue.

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

Version: 02 Revision Date: 18/10/2022. PIL – SA199 01082020

Pure Ingredients Ltd