

**SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**
**PRODUCT IDENTIFIER**

Product Name	Lemongrass Essential Oil - Natural
Other Names	Nil
Recommended Use	Cosmetic ingredient


**DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET**

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

GHS / HSNO Hazard Classification	Flammable liquid, Category 4 Aspiration hazard, Category 1 Serious eye damage/eye irritation, Category 2 Skin corrosion/irritation, Category 2 Skin sensitization, Category 1 Hazardous to the Aquatic Environment Chronic, Category 2	3.1D 6.1E 6.4A 6.3A 6.5B 9.1B
HSNO Approval Number	HSR002490.	
Hazard Nature	This product is classified as <b>DANGEROUS</b> under HSNO criteria.	
Pictogram(s)		
Signal Word	DANGER	
Hazard Statement(s)	H227 Combustible liquid. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.	
Prevention Statements(s)	P102 Keep out of reach of children. P103 Read label carefully and follow all instructions. P210 Keep away from sparks/open flames/hot surfaces. No smoking. P261 Avoid breathing mist/vapors/spray. P264 Wash hands thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/clothing/eye/face protection.	
Response Statement(s)	P101 If medical advice is needed, have product label at hand. P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. P331 Do NOT induce vomiting. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P362+P364 Take off contaminated clothing and wash before reuse. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P337+P313 If skin irritation or rash occurs, or eye irritation persists: Get medical advice/attention. P370+P378 In case of fire use alcohol resistant foam, standard foam or dry agent to extinguish. P391 Collect spillage	
Storage Statement(s)	P403+P405 Store in a well-ventilated place. Store locked up.	
Disposal Statement(s)	P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.	

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Ingredient	CAS No.	% [weight/volume]
Lemongrass oil	8007-02-1	100

**SECTION 4 FIRST AID MEASURES**

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

General Advice	Get medical advice/attention if you feel unwell. Treat symptomatically.
Skin contact	Wash thoroughly with soap and water, flush with plenty of water. Take off soiled clothes and wash before reuse. Contact physician if symptoms persist.
Eye contact	Rinse immediately with plenty of water for 15 minutes at least. Rinse from the corner of the eye nearest the nose, across the affected eye and away to waste. Contact a physician if symptoms persist.
Ingestion	Rinse mouth out with water. If swallowed do NOT induce vomiting. Get immediate medical advice/attention.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention.

**SECTION 5 FIREFIGHTING MEASURES**

Suitable extinguishing media	Carbon dioxide, foam or dry powder. DO NOT USE A DIRECT WATER JET. In case of overheating, cool containers to avoid a pressure increase.
Hazards from combustion products	Carbon dioxide and unidentified organic compounds.
Precautions for fire fighters and special protective equipment	Cool down the containers exposed to heat with a water spray. Keep upwind. Wear full Firefighting turn-out gear (full bunker gear). Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	For non-emergency personnel: Wear recommended personal protective equipment. Ventilate spillage area. Do not breathe vapours, mist. Avoid contact with skin and eyes.  For emergency responders: Do not attempt to take action without suitable protective equipment. Evacuate personnel to a safe area.
Environmental precautions	Avoid release to the environment. Do not allow to enter drains or water courses.
Methods and material for containment and cleaning up	Soak up spillage with sand or other inert absorbent material such as earth; transfer used material to a suitable waste container and dispose in accordance with regulations. If large quantities of this material enter the waterways, contact your local Council Pollution Hotline.

**SECTION 7 HANDLING AND STORAGE**

Precautions for safe handling	Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes. Wear protective clothing and use safety glasses. Keep in original container or an alternative made from a compatible material.
Hygiene measures	Handle in accordance with good industrial hygiene and safety procedures. Always wash hands after handling the product. Take off immediately all contaminated clothing and wash it before reuse. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Conditions for safe storage	Store in tightly sealed original containers away from ignition sources and in a cool, well-ventilated place. Store locked up. Avoid contact with incompatible materials that support combustion, such as strong oxidising agents.

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

Control parameters	No additional information.
Exposure controls – Engineering controls	No additional information.

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

Individual protection measures	Hand protection: Protective gloves Eye protection: Safety glasses with side shields Skin & body protection: Wear suitable protective clothing. Impervious clothing. Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment Environmental exposure controls: Avoid release to the environment. Consumer exposure controls: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink, or smoke when using this product. Always wash hands after handling the product. Avoid contact with skin, eyes, and clothing. Do not inhale vapour, aerosols, mist. Observe the usual precautions for handling chemicals. Take off contaminated clothing and wash it before reuse. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
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**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	-	Free flowing clear liquid	Colour	-	Pale yellow to reddish brown
Odour	-	A strong lemon like	Odour Threshold	-	Not determined
pH	-	Not determined	Relative Density	Water=1	0.87 – 0.9
Melting/Freezing Point	°C	Not determined	Boiling Point	°C	Not determined
Flash point	°C	>71 - < 90	Solubility (water)	-	< 0.1 (% by weight)
Flammability (solid, gas)	-	Not applicable	Upper and Lower Explosive Limits	-	Not determined
Autoignition Temperature	°C	Not determined	Decomposition Temperature	°C	Not determined
Vapour Pressure	-	Not determined	Vapour Density	-	Not determined
Partition Coefficient	-	Not determined	Viscosity	-	Not determined
Particle Characteristics	-	Not applicable			

**SECTION 10 STABILITY AND REACTIVITY**

Reactivity	No data available.
Conditions to avoid	Prolonged or excessive heat and/or exposure to air may cause decomposition or oxidation of the material.
Materials to avoid	Contact with Chemicals may decompose the ingredients present in it. If possible, avoid contact with all kinds of Chemical. Avoid Light and Extreme temperatures to prevent ignition.
Incompatible materials	Strong bases, Strong oxidizing agents, and highly reactive chemicals which may produce unknown reaction.
Hazardous Decomposition Products	Formed under Fire Conditions: Oxides of Carbon Other Decomposition Products: Not determined

**SECTION 11 TOXICOLOGICAL INFORMATION**

Acute toxicity	May be fatal if swallowed and enters airways. <b>Oral LD50</b> Rat >2000 mg/kg <b>Dermal LD50</b> Rabbit >2000 mg/Kg <b>Skin corrosion/irritation</b> <b>Serious eye damage/eye irritation</b> <b>Ingestion</b>  <b>Respiratory or skin sensitization</b> <b>Respiratory sensitization</b> <b>Skin sensitization</b> <b>Germ cell mutagenicity</b>  <b>Carcinogenicity</b> <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b> Not listed. <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b> Not regulated. <b>US. National Toxicology Program (NTP) Report on Carcinogens</b> Not listed. <b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b> Not available. <b>Reproductive toxicity</b>  <b>Specific target organ toxicity - single exposure</b> <b>Specific target organ toxicity - repeated exposure</b> <b>Aspiration hazard</b>	May cause temporary irritation. Causes serious eye irritation. Aspiration hazard. Droplets of the product aspirated into the lungs through ingestion and vomiting may cause a serious chemical pneumonia.  Not a respiratory sensitizer. May cause an allergic skin reaction. No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.  This product is not expected to cause reproductive or developmental effects. Not classified.  Not classified.  Classified in New Zealand and Europe as an Aspiration Hazard.
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**SECTION 12 ECOLOGICAL INFORMATION**

Ecotoxicity	Toxic to aquatic life with long lasting effects.
Persistence and degradability	No data is available on the degradability of this substance.
Bio accumulative potential	No data available.
Mobility in soil	No data available.
Precautions	Prevent contamination of soil, ground, and surface water.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**SECTION 13 DISPOSAL CONSIDERATION**

Disposal Methods	Avoid release to the environment. Do not flush down sewers, waterways. Dispose of waste and contaminated product via an approved waste disposal contractor. Empty packaging may contain product residues and should be treated as hazardous waste. Dispose of packaging via an approved waste disposal contractor.
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**SECTION 14 TRANSPORT INFORMATION**

	Land Transport (ADR/RID)	Sea Transport (IMDG)	Air Transport (IATA/ICAO)
UN number	3082	3082	3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Lemongrass oil)	Environmentally hazardous substance, liquid, n.o.s. (Lemongrass oil)	Environmentally hazardous substance, liquid, n.o.s. (Lemongrass oil)
Transport hazard class(es)	9	9	9
Packing group	III	III	III
Environmental hazards	Dangerous for the environment. Marine pollutant.	Dangerous for the environment. Marine pollutant.	Dangerous for the environment. Marine pollutant.
Emergency Code:	-	F-A, S-F	9L
Dangerous Goods Limited Quantities	5L	5L	5L

**SECTION 15 REGULATORY INFORMATION**

NZIoC (New Zealand Inventory of Chemicals): All hazardous components are listed on the New Zealand Inventory of Chemicals.

HSNO Approval Number: **HSR002490**.

Group Standard: Additives, Process Chemicals and Raw Materials (Combustible) Group Standard 2020.

This substance is not required to be Tracked. All workplace personnel handling this substance are required to be trained on the safe handling and PPE requirements for the hazards associated with this substance.

Signage, Secondary Containment and an Emergency Response Plan will be required when quantities exceed 1,000L.

H.S. CODE # 3301 2942.

**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.

v00: 14/04/2021 PIL. New issue.

v01: 2 March 2022 PIL. Updated to include correct Group Standard assignment, HSR number, classifications, physical properties information, and Dangerous Goods for Transport information.