

Material Safety Data Sheet

**24 HOUR EMERGENCY NUMBER:
(800) 222-1222 POISON CONTROL**

SECTION 1.1 PRODUCT IDENTIFICATION

Product Name: Lemongrass Essential Oil
CAS #: 8007-02-1
EINECS #: 289-752-0

SECTION 1.2 COMPANY INFORMATION

Company: Nature's Fusions
Address: 57 N 1380 W, Orem, UT, 84057
Telephone No: 801-872-9500

SECTION 2.1 HAZARDS CLASSIFICATION

GHS-US Classification: Flammable Liquid 4
Skin Corrosion/Irritation 2
Eye Damage/Irritation 1
Sensitization - Skin 1B
Hazardous to the aquatic environment, chronic 3

SECTION 2.2 HAZARDS IDENTIFICATION

Signal Word: Danger
Hazard Pictograms:



Hazard Statement: H227 Combustible liquid.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long-lasting effects.

Precautionary Statement: P210 Keep away from flames and hot surfaces – No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P301+P351+P338 If in eyes: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P310 Immediately call a poison center/doctor.
P321 Specific treatment
P362+P364 Take off contaminated clothing and wash it before reuse.
P403+P235 Store in a well-ventilated place. Keep cool.

24 HOUR EMERGENCY NUMBER: (800) 222-1222 POISON CONTROL

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 2.3 OTHER HAZARDS IDENTIFICATION

Other Hazards: May be harmful in contact with skin
Harmful to aquatic life with long lasting effects
Toxic to aquatic life

SECTION 3. COMPOSITION

Product Name	CAS #	EC #	Concentration
Lemongrass	8007-02-1	289-752-0	100%

SECTION 4.1 NECESSARY FIRST AID MEASURES

Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Inhalation:	Supply fresh air and to be sure call for a physician. In case of unconsciousness place patient stably in side position for transportation.
Ingestion:	Clean mouth with water and afterwards drink plenty of water.
Skin Contact:	Immediately wash with water and soap and rinse thoroughly.

SECTION 4.2 SYMPTOMS

Eye Contact:	No additional information available.
Inhalation:	No additional information available.
Ingestion:	No additional information available.
Skin Contact:	No additional information available.

SECTION 4.3 OTHER FIRST AID MEASURES

Medical Attention/Special Treatment:	Treat symptomatically.
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SECTION 5.1 EXTINGUISHING

Suitable Extinguishing media:	Dry chemical, Carbon dioxide. Water spray. Alcohol-resistant foam.
Unsuitable Extinguishing media:	Decomposition by contact with water may generate vapours which can be ignited by heat or open flame.

SECTION 5.2 SPECIAL HAZARDS

Special Hazards Arising from Chemical:	Keep product and empty container away from heat and sources of ignition. Risk of ignition.
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SECTION 5.3 FIRE FIGHTING MEASURES

Firefighter Instructions:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Protection during firefighting:	No additional information available.

SECTION 6.1 ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.
Protective equipment:	Wear respirator, gloves, and eye protection. Avoid inhalation and contact with

Environmental Precautions: skin and eyes.
Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

SECTION 6.2 ACCIDENTAL RELEASE CLEANING MEASURES

Methods and Material for Cleaning Up: Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labelled containers. Take precautionary measures against static discharges.

SECTION 7.1 PRECAUTIONS FOR HANDLING

Precautions for handling: Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. - No smoking. Wear personal protective equipment. Do not breathe vapours or spray mist. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use product only in closed system.

SECTION 7.2 CONDITIONS FOR SAFE STORAGE

Conditions for safe storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.

SECTION 8.1 EXPOSURE AND ENGINEERING CONTROLS

PEL, ACGIH, TLV exposure limit: No additional information available.
Appropriate engineering controls: Showers. Eyewash stations. Ventilation systems.

SECTION 8.2 PERSONAL PROTECTION/EQUIPMENT

Eye/Face Protection: Tight sealing safety goggles.
Hand Protection: Wear protective gloves. The glove material has to be impermeable and resistant to the product/substance/preparation. Due to missing tests no recommendation to the glove material can be given for the product/preparation/chemical mixture.
Skin and Body Protection: Avoid contact with skin. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection:	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Environmental Exposure Control:	No additional information available.

SECTION 8.3 ADDITIONAL INFORMATION

Other:	No additional information available.
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SECTION 9.1 PHYSICAL PROPERTIES

Appearance:	Colorless to pale yellow to brownish yellow liquid.
Odor:	Fresh, earthy, citrusy scent.
Odor Threshold:	No data available.
Physical State:	Liquid.

SECTION 9.2 CHEMICAL PROPERTIES

pH:	No data available.
Melting Point/Freezing Point:	No data available.
Boiling Point:	260° C
Flash Point:	71° C
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Explosive limits:	No data available.
Vapor Pressure:	No data available.
Vapor Density:	No data available.
Specific Gravity:	0.885 - 0.905 @ 20° C (68° F)
Solubility:	No data available.
Partition coefficient: (n-octanol/water)	No data available.
Autoignition Temp:	No data available.
Decomposition Temp:	No data available.
Viscosity:	Mobile Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction known under conditions of normal use. Keep away from oxidizing agents and strongly acid or alkaline materials.
Chemical Stability:	Stable under normal conditions. Hazardous polymerisation does not occur.
Hazardous Reactions:	None under normal processing.
Incompatible Materials:	Strong oxidizing agents.

Hazardous Combustion
or Decomposition Products:

None known based on information supplied.

SECTION 11.1 ROUTES OF EXPOSURE

Inhalation:	Avoid breathing vapors or mists.
Skin Contact:	Irritation to skin. May cause an allergic skin reaction. May be harmful in contact with skin.
Eye Contact:	Avoid contact with eyes. Risk of serious damage to eyes.
Ingestion:	Refer to section 4.2

SECTION 11.2 RELATED SYMPTOMS

Inhalation:	Refer to section 4.2
Skin Contact:	Refer to section 4.2
Eye Contact:	Refer to section 4.2
Ingestion:	Refer to section 4.2

SECTION 11.3 OTHER TOXICOLOGICAL INFORMATION

Delayed/Chronic Effects:	May cause allergic reactions on skin, may result in difficulty breathing.
Toxicity:	Acute oral toxicity: LD50 - 2,885 mg/kg
Carcinogenic:	Not Carcinogenic.

SECTION 12.1 ECOLOGICAL INFORMATION

Eco-toxicity:	Harmful to aquatic life with long lasting effects.
Persistence and Degradability:	No additional information available.
Bio-accumulative:	No additional information available.
Mobility in Soil:	No additional information available.

SECTION 12.2 OTHER ECOLOGICAL INFORMATION

Other Adverse Effects:	Water hazard class 2 : hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Harmful to aquatic organisms
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SECTION 13. DISPOSAL CONSIDERATION

Waste Disposal Method:	Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Contaminated Packaging Disposal Method:	Disposal must be made according to official regulations. Do not reuse containers.

SECTION 14. TRANSPORT INFORMATION

DOT Shipping (Land):	Not regulated
IATA Shipping (Air):	Regulated
IMDG Shipping (Boat):	Regulated
Proper Shipping Name:	Environmentally Hazardous Substance, Liquid, N.O.S
UN #:	3082
Hazard Class:	9
Packaging Group:	III

SECTION 15. REGULATORY INFORMATION

US Federal Regulations:	Listed on the United States TSCA (Toxic Substances Control Act) inventory
International Regulations:	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

SECTION 16. OTHER INFORMATION

Health Hazard (HMIS):	2 Moderate Hazard
Flammability Hazard (HMIS):	2 Moderate Hazard
Physical Hazard (HMIS):	0 Minimal Hazard
Sara 313:	None
California Proposition 65:	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm per the Safe Drinking Water and Enforcement Act of 1986.

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