



LIBERTY NATURAL PRODUCTS, INC.


*The Source for the Finest
Pure and Natural Botanical Oils and Extracts*

libertynatural.com

Section 1. Product and Company Identification

Product Name:	Gingergrass
Product Code:	1179
Description:	Essential Oil of Gingergrass
Product Use:	Cosmetic and Manufacturing
Manufacturer:	Liberty Natural Products, 20949 S Harris Rd, Oregon City, OR 97045 (800) 289-8427
Emergency Phone:	Liberty Natural Products: (800) 289-8427

Section 2. Hazards Identification

Category:	H226 Flammable liquid and vapor.
Signal Word:	Warning
Ingestion:	H304 May be fatal if swallowed and enters airways.
Health Risks:	N/A
Eye Contact:	H320 Causes eye irritation.
Skin Contact:	H317 May cause an allergic skin reaction.
Environmental:	N/A
Pictograms:	

PRECAUTIONARY STATEMENT:

P102 Keep out of the reach of children.

P262 Do not get in eyes, on skin, or on clothing. Clothing/eye protection/face protection.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305 + 338 + 351 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if necessary and easy to do – continue rinsing.

P301 + 310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P302 + 352 +332 IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P391 Collect spillage.

Section 3. Composition and Information on Ingredients

Chemical Name: *Cymbopogon martini var. sofia*

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Physical State:	Liquid.
CAS #:	8023-92-5
Impurities:	None.
Trade Secret Claim:	None.

Section 4. First Aid Measures

Eyes:	Rinse immediately with plenty of water for 10 minutes at least. Contact a physician if symptoms persist.
Skin Contact:	Wash thoroughly with soap and water, flush with plenty of water. Take off soiled clothes. Contact physician if symptoms persist.
Inhalation:	Remove from exposure site to fresh air and keep at rest. Obtain medical advice.
Ingestion in excess:	Wash the mouth with water, seek medical advice immediately.
Emergency Care:	Contact local emergency provider. For non-emergency, contact primary care provider.
PPE:	Gloves, lab coat or uniform, safety glasses, eyewash, safety shower.

Section 5. Fire-Fighting Measures

Flammability:	Flammable.
Extinguishing Media:	SUITABLE: CO ₂ , foam, dry chemicals NON SUITABLE: Water.
Special Fire-Fighting Procedure:	Do not allow firefighting water to enter drains or water courses. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus. Closed containers may build up pressure at elevated temperatures. If possible, containers should be closed with a water spray.
Unusual Fire and Explosion Hazards:	Essential and vegetable oils have the potential to self-heat and contribute to spontaneous combustion when present on fabrics. Caution should be exercised in the storage and launder of fabrics exposed to oils.
PPE and Precautions for Firefighters:	May produce toxic fumes of carbon monoxide if burning.

Section 6. Accidental Release Measures

Personal Precautions:	Avoid all contact with eyes and mucous membranes by wearing goggles, protective clothing, vapor respirator, boots, gloves, and or self-contained breathing apparatus.
Environmental Precautions:	Keep away from drains, surface and ground water. Retain contaminated washing water and dispose it. Explosive properties.
Containment:	Absorb with clay, sand, or other non-combustible material. Prevent entry into waterways, sewers, and confined areas.

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Clean Up: Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Place in appropriate containers for disposal. Ventilate affected area.

Section 7. Handling and Storage

Handling Precautions: Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Wash hands before breaks and after work. Keep away from food, drink and animals. When using do not smoke.

Storage Precautions: Store in cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Keep air contact to a minimum. Store in sealed container, keep container closed after using recommended storage temperature: 15 - 25 °C. Keep away from ignition sources and naked flame.

Other: See Section 8

Section 8. Exposure Controls/Personal Protection

Engineering Controls: Technical measures and the application of suitable work processes have priority over personal protection equipment.

Respiratory Protection: Ensure good ventilation. Avoid breathing the product directly. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Hand Protection: Plastic or synthetic rubber impermeable gloves. Use solvent and acid resistant protection gloves.

Eye Protection: Use safety glasses

Skin and Body Protection: Clothes for chemical protection to avoid contact.

Ingestion: Do not eat, drink and smoke while using.

Industrial Hygiene: Provide ventilation of the work place to reduce concentrations of the vapor and product. Use good industrial hygiene practices.

OSHA Permissible Exposure Limits (PELs): >480 minutes (permeation: level 6)

ACGIH Threshold Limit Values: N/A

Section 9. Physical and Chemical Properties

Appearance: Yellow to dark yellow to amber brown

Upper/Lower Flammability: N/A

Odor: Fatty-sweet, slightly woody and rosy, fresh-spicy top notes

Vapor Pressure: N/A

Odor Threshold: N/A

Vapor Density: N/A

pH: N/A

Relative Density: N/A

Melting Point: N/A

Freezing Point: N/A

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Solubility:	Insoluble
Initial Boiling Point and Boiling Range:	N/A
Flash Point:	152.6°F / 67°C
Evaporation Rate:	N/A
Flammability Category:	N/A
Partition Coefficient:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A
Specific Gravity:	0.890 – 0.945

Section 10. Stability and Reactivity

Stability:	The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Avoid:	Excessive heat, sources of ignition, incompatible materials
Incompatibility:	Strong oxidizing agents.
Hazardous Byproducts:	Hazardous combustion products: see section 5.
Other:	Temperatures more than room temperature will benefit the transfer from liquid to vapor phase and formation of explosive atmospheres. Storing the product in open containers will benefit the formation of peroxides and derogate the quality.

Section 11. Toxicological Information

Toxicological and Health Effects:	Nontoxic at established levels.
Likely Routes of Exposure:	Eyes, nose, mouth, skin.
Signs and Symptoms of Exposure:	N/A
LD50 (median lethal dose):	N/A
Listed NTP Carcinogen:	N/A
INGESTION:	N/A

Section 12. Ecological Information

TOXICITY:	Toxic to aquatic life with long lasting effects.
PERSISTENCE / DEGRADABILITY:	No information available.
BIOACCUMULATION POTENTIAL:	May cause long-term adverse effects in the aquatic environment. Marine pollutant
RESULTS OF PBT AND vPvB ASSESSMENT:	No information available.
MOBILITY IN SOIL:	No information available.
OTHER ADVERSE EFFECTS:	No information available.

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Section 13. Disposal Considerations

- Disposal Containers:** It is a dangerous waste; only packaging which is approved (e.g. acc. to ADR) may be used.
- Waste Disposal:** Do not empty into drains. Avoid release to the environment.
- Special Considerations:** Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions.

Section 14. Transport Information

- UN Number:** N/A
- UN Shipping Name:** N/A
- Transport Hazard Class:** N/A
- Packing Group Number:** N/A
- Stowage and Handling:** N/A

Section 15. Regulatory Information

- Product Regulations:** N/A

Section 16. Other Information

- Last Revised:** 9/15/2022 **Initial of Editor:** SDR

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This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.

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