



Plant's Power Inc
3-2700 St.Clair Ave west
Toronto, Ontario, M6N 1M2
Contact: 1-416-766-1254

Material Safety Data Sheet Ginger Essential Oil

Section 1: Product and Company Identification

Product Name: Ginger Essential Oil

Botanical Name: *Zingiber officinale*

INCI Name: Zingiber officinale Root Oil

Synonyms: *Zingiber officinale* Rosc., *Amomum zingiber* L.

CAS#: 8007- 08-7

Contact information:

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Section 2: Composition and Information on Ingredients

Chemical Identification: Zingiber officinale Root Oil

Composition: Alpha-pinene, < 5.0%
1,8-cineole, < 10.0%

By weight: 100%

Section 3: Hazards Identification

WHMIS Classification: B3 – Combustible liquid

GHS Classification: Flammable Liquid – Category 3
Skin Irritation – Category 2
Eye Irritation – Category 2
Aspiration Hazard – Category 1



Signal: DANGER

Hazard Statement(s):

H226 – Flammable liquid and vapour.

H315 – Causes skin irritation.

H319 – Causes serious eye irritation.

H304 – May be fatal if swallowed and enters airways. May cause lung damage.

Precautionary Statement(s):

P102 – Keep out of reach of children.

P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P262 – Do not get in eyes, on skin, or on clothing.

P305+351+338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P337+313 – If eye irritation persists get medical advice/attention.

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

P301+310 – If swallowed: immediately call a Poison Center/doctor.

P331 – Do not induce vomiting.

HMIS Classification:

HMIS Ratings: Health, 2
Flammability, 2
Reactivity, 0
Personal Protection, B

Skin: May be harmful if absorbed through skin. Causes skin irritation.

Eyes: May cause eye irritation.

Ingestion: Maybe harmful if swallowed.

Section 4: First Aid Measures

Eye contact: Flush with water for at least 15 minutes. Call physician if irritation persists.

Inhalation: Remove to fresh air. Avoid casual breathing.

Ingestion: Rinse mouth and consult a physician immediately. Never-give anything by mouth if victim is unconscious, is rapidly-losing consciousness, or is convulsing.

Skin contact: Remove contaminated clothing. Wash with soap and plenty of water.

Section 5: Fire and Explosion Data

Suitable extinguishing media:	Foam, Dry Powder, Carbon dioxide.
Unsuitable Extinguishing Media:	Water spray, water jet.
Flash Point:	57°C
Special Protective Equipment:	Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.
Combustible Products:	Hazardous decomposition products may be formed at extreme heat or if burned.
Resulting Gases:	Carbon oxides.

Section 6: Accidental Release Measures

Environmental Precautions:	Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public water.
Containments and Clean up:	Clean up spills as soon as possible, using absorbent materials. Use suitable disposal containers.

Section 7: Handling and Storage

Precautions for Safe Handling:	No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.
Conditions for Safe Storage:	Provide local exhaust or general room ventilation in order to minimize dust or vapour concentrations. Keep container closed when not in use.

Section 8: Exposure Controls/Personal Protection

Eyes:	Use tightly sealed goggles.
Skin:	If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.
Respiratory:	In case of insufficient ventilation, wear suitable respiratory equipment.

Section 9: Physical and Chemical Properties

Appearance:	Pale yellow to yellow clear liquid.
Odour:	Characteristics spicy ginger, citrus woody terpene odour.
Flash Point:	57°C
Relative Density:	0.870 – 0.880 at 25°C
Solubility:	Soluble in alcohol and oils. Insoluble in water.

Section 10: Stability and Reactivity Data

Reactivity:	Stable, no reactivity hazard.
Chemical Stability:	Stable.
Hazardous Reactions:	Hazardous polymerization will not occur.
Decomposition:	When heated to decomposition produces toxic fumes/carbon monoxide smoke.
Conditions to Avoid:	Sparks, flames and other heat sources.
Incompatible Materials:	Strong oxidizing agents.

Section 11: Toxicological Information

Acute Toxicity:	LD50 Oral (Rat) > 5000 mg/kg LD50 Oral (Mouse): 3450 mg/kg LD50 Intraperitoneal (Mouse): 1230 mg/kg LD50 Skin (Rabbit) >5000 mg/kg
Carcinogenicity:	Per IARC, ACGIH, NTP, OSHA: None
Reproductive Toxicity:	No adverse effects on reproduction are known.

Section 12: Ecological Information

Ecotoxicity:	Avoid any pollution of ground, surface or underground water.
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Section 13: Disposal Considerations

Dispose of product in accordance with local, state or provincial and federal regulations.

Section 14: Transport Information

US DOT (Land):	Not regulated.
IMO-IMDG (Sea):	Not regulated.
IATA (Air):	Not regulated.

Section 15: Other Regulatory Information

WHMIS Classification:	B3
TSCA:	All components in this product are on the TSCA Inventory.
California Proposition 65:	Contains substance identified in the revised list of the California Safe Cosmetic program SB 484: Myrcene.

Section 16: Other Information

Disclaimer:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Plant's Power be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Plant's Power has been advised of the possibility of such damages.
