



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

Material Safety Data Sheet Tangerine Oil

Section 1: Product and Company Identification

Product Name: Tangerine Oil
Botanical Name: *Citrus Reticulata*
INCI Name: Citrus Tangerina (Tangerine) Oil
CAS#: 8016-85-1
EINECS#: 297-672-2
FEMA#: 3041

Contact information:

Plant's Power Inc 3-2700 St.Clair Ave west Toronto, Ontario M6N 1M2 Contact: 1-416-766-1254 http://www.PlantPower.ca contactus@plantpower.ca	24 HOUR EMERGENCY TELEPHONE NUMBER: (647)-427-4480
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Section 2: Composition and Information on Ingredients

Composition:
Name CAS # % by Weight: Oil of tangerine peel 8016-85-1 100%
Toxicological Data on Ingredients: None

Section 3: Hazards Identification

Routes of Entry: Eyes
 Skin
 Ingestion
 Inhalation

Eye Contact: Moderate irritation may occur.

Skin Contact: Irritation may occur with prolonged or repeated exposure.

Ingestion: Hazardous in case of ingestion.
Inhalation: Vapour may be irritating to throat, lungs and pulmonary tract.

Section 4: First Aid Measures

Inhalation: Remove to fresh air. Seek medical attention if necessary.
Serious Inhalation: Loosen tight clothing such as collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
Eye Contact: Remove contact lenses. Flush eyes with cool water for at least 15 minutes holding lids apart. If irritation persists, consult a physician.
Skin Contact: Remove contaminated clothing and shoes. Wash effected area thoroughly with soap and water. Flush with large quantities of water. Cover with emollient or pure vegetable oil. Consult a physician if symptoms persist.
Ingestion: Seek medical attention or contact local poison control center immediately. Administer water or milk to dilute if advised by medical expert. Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation.

Section 5: Fire and Explosion Data

Recommended Extinguishing Media: Foam, Dry chemical, Carbon dioxide.
Do not use water spray except to cool container.
Flash Points: 46°C Closed Cup
Flammable Limits: LEL: Not established
UEL: Not established
Products of Combustion: CO₂, CO, irritating smoke and unidentified organic compounds may be formed during combustion.
Special Firefighting Procedures: Wear positive pressure, self-contained breathing apparatus.
Wear protective clothing to prevent contact with skin and eyes.
Remove containers from fire area.
Spray extinguishing media directly into the base of the flames.
Water is unsuitable for use on burning materials but may be used to cool containers exposed to heat.
Unusual Fire & Explosion Hazards: Closed containers may build up pressure at elevated temperatures.
If possible, containers should be cooled with a water spray.

Section 6: Accidental Release Measures

Personal Precautions: Chemical splash goggles should be worn.
If in a confined area, a certified/approved vapour respirator should be used.
Remove individuals if they do not have respiratory/dust

Environment Precautions: protection.
Wear protective clothing and chemical resistant gloves.
Notify authorities if large amounts of product enters sewer.
Remove any source of flame or sparks
Ventilate area
Prevent liquid from entering the sewers
Recover spilled material with pump or absorb onto an inert, absorbent substrate and sweep up.
Wash area with soap and water.

Section 7: Handling and Storage

Precautions in

Handling: Wear safety glasses and chemical resistant gloves.
Keep away from oxidizing agents, excessive heat, light and sources of ignition.
Use in a well ventilated area.

Storage Conditions: Keep container in a cool, well-ventilated area away from sources of ignition and protect from light.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value.

Ensure that eyewash stations and safety showers are proximal to the work-station location.

Respiratory Protection: Use adequate ventilation or NIOSH-approved respiratory devices if vapour concentration is high due to heat.

Ventilation: Handle in well ventilated areas. Ventilation meeting ACGIH Standards should be employed.

Eye Protection: Chemical splash goggles or face shield should be worn.

Skin Protection: Lab coats, boots, chemical resistant gloves are recommended.

Others: Evaluate need based on application. Slip proof shoes may be worn where spills may occur.

Work/Hygiene Practice: Use good personal hygiene practices. Limit exposure to product whenever possible. Wash contaminated clothing or shoes before each use.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid; Clear, orange/amber

Odour: Characteristic of tangerine, citrus

Boiling Point: Not determined

Melting Point:	Not applicable
Specific Gravity (g/cm ³):	0.8469 at 25°C
Flash Point:	46°C Closed cup
Refractive Index:	1.4744 at 20°C
Vapor Pressure:	N/A
Vapor Density:	N/A
Solubility:	Insoluble

Section 10: Stability and Reactivity Data

Stability:	Stable under normal conditions of use.
Conditions of Avoid:	Keep away from sources of ignition, flames and heat. Avoid hot work and sources of ignition on or near empty containers.
Incompatibility with various substances:	Strong oxidizing agents.
Hazardous Decomposition:	CO ₂ , CO, irritating smoke and unidentified organic compounds may be formed during combustion.
Hazardous Polymerization:	Will not occur.

Section 11: Toxicological Information

Routes of Entry:	Eye contact, skin, ingestion, inhalation
LIQUID MAY BE IRRITATING TO SKIN & EYES. PRODUCT CONTAINS LIMONENE, A KNOWN SENSITIZER.	
D'Limonene (1,8-(9)-p-Menthadiene):	LD ₅₀ (Oral): >5000 mg/kg [Rat/Mouse] LD ₅₀ (Dermal): >5000 mg/kg [Rabbit]
Carcinogenicity:	NTP Monograph: None established IARC Monograph: None established
Other Effects:	None established

Section 12: Ecological Information

Biodegradability:	No information
Aquatic Toxicity:	Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
Bioaccumulation Potential:	No information

Section 13: Disposal Considerations

Waste Disposal:	Do not put into sewer lines. Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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Section 14: Transport Information

UN Number:	1169
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Transportation Class: 3
Packing Group: III
Marine Pollutant: YES

Section 15: Other Regulatory Information

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS (Canada): D2B/B3 combustible liquid

HMIS (U.S.A.) Health: 2
Fire: 1
Reactivity: 0

National Fire Protection Association (U.S.A.)

Health: 2
Flammability: 1
Reactivity: 0

Section 16: Other Information

Disclaimer:

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