



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

## Material Safety Data Sheet

### Juniper Berry Oil

#### Section 1: Product and Company Identification

Product Name: Juniper Berry Oil  
Botanical Name: *Juniperus communis*  
INCI Name: Juniperus communis fruit oil  
CAS No.: 8002-68-4 / 73049-62-4 / 84603-69-0  
EC No.: 283-268-3  
UN No. 1169: Extract, Aromatic, Liquid  
Chemical Identification: Oils, juniper berry  
Packing Group: III, Class 3

#### Contact information:

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

Composition: Juniperus communis Fruit Oil is the volatile oil obtained by steam distillation from the berries of the Juniper, *Juniperus communis* L., Cupressaceae  
INCI Name: Juniperus communis fruit oil  
% by weight: 100

CAS No.: 8002-68-4 / 73049-62-4 / 84603-69-0

EC (EINECS) No.: 283-268-3

<b>Composition and Ingredient Information</b>	
<b>4-Terpineol, 5-10%</b>	
CAS No.: 562-74-3	EC No.: 209-235-5
Classification (EC 1272/2008) Acute Tox. 4 – H302 Skin Irrit. 2 – H315	Classification (67/548/EEC) Xn; R22 Xi; R38
<b>Alpha Pinene, 30-60%</b>	
CAS No.: 80-56-8	EC No.: 201-291-9
Classification (EC 1272/2008) Flam. Liq. 3 – H226 Skin Sens. 1 – H317 Asp. Tox. 1 – H304 Aquatic Acute 1 – H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xn; R65 N; R50/53 R43, R10
<b>Beta Pinene, 1-5%</b>	
CAS No.: 127-91-3	EC No.: 204-872-5
Classification (EC 1272/2008) Flam. Liq. 3 – H226 Skin Sens. 1 – H317 Asp. Tox. 1 – H304 Aquatic Acute 1 – H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xn; R65 N; R50/53 R43, R10
<b>Limonene, 10-30%</b>	
CAS No.: 138-86-3	EC No.: 205-341-0
Classification (EC 1272/2008) Flam. Liq. 3 – H226 Skin Sens. 2 – H315 Skin Sens. 1 – H317 Asp. Tox. 1 – H304 Aquatic Acute 1 – H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xn; R65 Xi; R38 N; R50/53 R43, R10

**Section 3: Hazards Identification**

Classification (1999/45): Xn; R65. R43. N; R50/53. R10

Classification (EC 1272/2008):

Physical and Chemical Hazards: Flam. Liq. 3 – H226  
Human Health: Skin Sens. 1 – H317  
Asp. Tox. 1 – H304  
Environment: Aquatic Acute 1 – H400  
Aquatic Chronic 1 – H410

**Label in Accordance with (EC) No. 1272/2008**



Signal Word: Danger

Contains: Alpha Pinene  
Beta Pinene  
Limonene

**Hazard Statements:**

H226 Flammable liquid and vapour  
H304 May be fatal if swallowed and enters airways  
H317 May cause an allergic skin reaction  
H410 Very toxic to aquatic life with long lasting effects

**Precautionary Statements:**

P273 Avoid release to the environment  
P280 Wear protective gloves/protective clothing/eye protection/face protection

**Supplementary Precautionary Statements:**

P210 Keep away from heat/sparks/open flames/hot surfaces – no smoking  
P233 Keep container tightly closed  
P240 Ground/bond container and receiving equipment  
P241 Use explosion-proof electrical/ventilating/lighting/.../equipment  
P242 Use only non-sparking tools  
P243 Take precautionary measures against static discharge  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray  
P272 Contaminated work clothing should not be allowed out of the workplace  
P301+310 IF SWALLOWED: Immediately call a poison center or doctor/physician  
P302+352 IF ON SKIN: Wash with plenty of soap and water

P303+361+353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P321 Specific treatment (see... on this label)

P331 Do NOT induce vomiting

P333+313 If skin irritation or rash occurs: get medical advice/attention.

P363 Wash contaminated clothing before reuse

P370+378 In case of fire: Use... for extinction

P391 Collect spillage

P403+235 Store in a well-ventilated place. Keep cool.

P405 Store locked up

P501 Dispose of contents/container to...

## Section 4: First Aid Measures

General Information: Remove affected person from source of contamination  
Perform artificial respiration if breathing has stopped

Eye contact: Immediately flush with plenty of water for up to 15 minutes  
Remove any contact lenses and open eyes wide apart  
Get medical attention if any discomfort continues

Inhalation: Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system  
Move the exposed person to fresh air at once  
Get medical attention if any discomfort continues

Ingestion: If necessary, rinse mouth and provide fresh air  
Get medical attention if any discomfort continues

Skin contact: If necessary remove contaminated clothing and wash skin with soap and water  
Get medical attention if any discomfort continues

## Section 5: Fire and Explosion

Extinguishing Media: Foam  
Carbon dioxide  
Dry Powder

Unsuitable Extinguishing

Media: DO NOT use direct water jet on burning material.

Special Fire-Fighting

Procedure: Containers close to the fire should be removed or cooled with water

Flash Point:	41°C
Hazard:	Flammable liquid. Will ignite if moderately heated.
Specific Hazards:	When heated and in case of fire, toxic vapours/gases may be formed
Protective Measures in Fire:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire

## Section 6: Accidental Release Measures

Personal Precautions:	Use protective gloves, goggles and suitable protective clothing. In case of spills, beware of slippery floors and surfaces.
Environmental Precautions:	Do not discharge into drains, water courses or onto the grounds.
Spillage:	Absorb spills, cover with an inert, non-combustible, inorganic absorbent material, and remove to an approved disposal container.

## Section 7: Handling and Storage

Usage Precautions:	Avoid spilling, skin and eye contact. Ensure adequate ventilation of the working area. Adopt best manual handling considerations when handling, carrying and dispensing.
Storage:	Store in cool, dry and well ventilated area protected in tightly closed container away from sources of ignition, heat and sunlight. Keep air contact to minimum. Protect from freezing and direct sunlight.

## Section 8: Exposure Controls/Personal Protection Engineering

Engineering Measures:	Provide adequate ventilation.
Respiratory Equipment:	No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.
Eye Protection:	If risk of splashing, wear safety goggles or face shield.
Respiratory Protection:	Avoid breathing in product by ensuring good ventilation when handling.
Skin Protection:	Wear apron or protective clothing in case of splashes.
Hand Protection:	Protective gloves should be used if there is a risk of direct contact or splash.

## Section 9: Physical and Chemical Properties

Appearance:	Colorless to pale yellow liquid.
Odor:	Characteristic
Solubility:	Soluble in alcohol and oils. Insoluble in water.
Specific Gravity:	0.850 – 0.975 at 20°C
Optical Rotation:	+25,3 at 20°C
Refractive Index:	1.465 – 1.490 at 20°C
Extraction Method:	Steam distillation of the crushed dried berries.
Flash Point:	41 °C

## Section 10: Stability and Reactivity

Reactivity:	Stable.
Conditions to Avoid:	Avoid heat, flames and other sources of ignition.
Polymerization:	Will not polymerize.
Decomposition:	Essential oils are naturally high in volatile organic compounds (VOCs).
Materials to Avoid:	Strong oxidizing substances. Strong acids. Strong alkalis.
Product of Decomposition:	When heated to decomposition, the smoke from burning essential oils may contain potential polycyclic aromatic hydrocarbons (PAHs).

## Section 11: Toxicological Information

Eye/Skin Contact:	It may irritate skin or eyes and cause sensitivity on some individuals.
Health:	Due to its reputed nephrotoxic properties, it should not be used by individuals with kidney diseases. Should be avoided during pregnancy since it affects the menstrual cycle.
Inhalation:	In high concentrations, vapours may irritate throat and respiratory system and cause coughing
Ingestion:	No specific health warnings noted. No harmful effects expected in amounts likely to be ingested by accident.
Skin Contact:	No specific health warnings noted.
Medical Symptoms:	No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

Medical

Considerations: Persons with rash are directed to skin expert for examination of allergic eczema.

## Section 12: Ecological Information

Eco-toxicity: Refer to section – 3

## Section 13: Disposal Considerations

General Information: Waste suitable for incineration

Disposal Methods: Dispose of waste and residues in accordance with local authority requirements.

## Section 14: Transport Information

Proper Shipping Name: Extracts, Aromatic, Liquid

UN No. Road: 1169  
ADR Class No.: 3  
ADR Class 3: Flammable liquids  
ADR Pack Group: III  
Tunnel Restriction Code: (D/E)  
Hazard No. (ADR): 30 *ADR Label No. 3*  
Hazchem Code: 3YE

UN No. Sea: 1169  
IMDG Class: 3  
IMDG Pack Gr: III  
EmS: F-E,S-D

UN No. Air: 1169  
Air Class: 3  
Air Pack Gr: III

## Section 15: Other Regulatory Information

N/A

## **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.

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