

## Material Safety Data Sheet

### JUNIPER BERRY

#### 1. Product Description

**Trade Name:** Juniper Berry

**INCI:** Juniperus Communis Fruit Oil

**CAS Number:** 8002-68-4

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

**Origin:** Nepal

**Chemical Name:** DEFINITION/BOTANICAL ORIGIN: Juniperus communis Fruit Oil is the volatile oil obtained by steam distillation from the berries of the Juniper, Juniperus communis L., Cupressaceae.

**Synonyms, Trade names:** **INCI NAME:** Juniperus communis Fruit Oil

#### 2. 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....

## 3. Composition and Ingredient Information

4-TERPINEOL		5-10%
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.	

ALPHA PINENE		30-60%
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</b>		<b>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</b>		<b>10-30%</b>
CAS-No.: 138-86-3	EC No.: 205-341-0	
Classification (EC 1272/2008) Flam. Liq. 3 – H226 Skin Irrit. 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. R10, R43.	

The Full Text for all R-Phrases and Hazard Statements is displayed in Section 16.

**EC (EINECS) NO.** 283-268-3

**CAS-NO.** 8002-68-4

## 4. First Aid Measures

### GENERAL INFORMATION:

- Remove affected person from source of contamination.
- Perform artificial respiration if breathing has stopped.

**NOTES TO THE PHYSICIAN:** No specific first aid measures noted.

### 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.

## 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.

## 5. Fire Fighting Measures

**EXTINGUISHING MEDIA:** Fire can be extinguished using: Foam, carbon dioxide or dry powder.

**SPECIAL FIRE FIGHTING PROCEDURES:** Containers close to the fire should be removed or cooled with water.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** No unusual fire or explosion hazards noted.

**SPECIFIC HAZARDS:** When heated and in case of fire, toxic vapours/gasses may be formed.

**PROTECTIVE MEASURES IN FIRE:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6. Measures in case of accidental release

### 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 ground.

### SPILL CLEAN UP METHODS:

- Absorb with inert, damp, non-combustible material, then flush area with water.
- Shovel into dry containers.
- Cover and move the containers.
- Flush the area with water.

## 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 PRECAUTIONS:

- Store in tightly closed original container in a dry, cool and well-ventilated place.
- Keep away from heat, sparks and open flame.
- Protect from freezing and direct sunlight.

**STORAGE CLASS:** Unspecified storage.

## 8. Exposure Controls/Personal Protection

### PROTECTIVE EQUIPMENT:



**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.

**HAND PROTECTION:** Protective gloves should be used if there is a risk of direct contact or splash.

**EYE PROTECTION:** If risk of splashing, wear safety goggles or face shield.

**OTHER PROTECTION:** Wear appropriate clothing to prevent any possibility of skin contact.

**HYGIENE MEASURES:** No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

**SKIN PROTECTION:** Wear apron or protective clothing in case of splashes.

## 9. Physical and Chemical Properties

**INCI Name:** Juniperus communis Fruit Oil

**CAS Number:** 8002-68-4

**EC/EINECS Number:** 283-268-3

**Description:** Oil obtained by steam distillation from the berries of the Juniper bush.

**Application:** Cosmetics, aromatherapy and skincare.

**Origin:** Nepal.

### TYPICAL ANALYTICAL INFORMATION:

**Appearance:** Liquid.

**Colour:** Colourless to Green yellow.

**Odour:** Characteristic.

**Specific Gravity @ 20°C:** 0.850 – 0.975

**Refractive Index @ 20°C:** 1.465 – 1.490

**Flash Point °C:** 41

## 10. Stability and Reactivity

**STABILITY:** Stable under normal temperature conditions.

**CONDITIONS TO AVOID:** Avoid heat, flames and other sources of ignition.

**HAZARDOUS POLYMERISATION:** Will not polymerise.

### MATERIALS TO AVOID:

- Strong oxidizing substances.
- Strong acids.
- Strong Alkalis.

**HAZARDOUS DECOMP. PRODUCTS:** In case of fire, toxic gasses (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

## 11. Toxicological Information

See section - 2

**GENERAL INFORMATION:** No specific health warnings noted.

**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.

**EYE CONTACT:** Spray and vapour in the eyes may cause irritation and smarting.

**HEALTH WARNINGS:** 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.

## 12. Ecological Information

**ECOTOXICITY:** Refer to section - 2

## 13. Disposal Considerations

**GENERAL INFORMATION:** Waste suitable for incineration.

**DISPOSAL METHODS:** Dispose of waste and residues in accordance with local authority requirements.

## 14. Transport Information



**PROPER SHIPPING NAME:** EXTRACTS, AROMATIC, LIQUID

**UN NO. ROAD:** 1169

**ADR CLASS NO:** 3 **ADR CLASS 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**

## 15. Regulatory Information

**EU DIRECTIVES:** Regulation (EC) No 1907/2006 of the European Parliament and of the council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**STATUTORY INSTRUMENTS:** The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716).

**APPROVED CODE OF PRACTICE:** Classification and Labelling of Substances and Preparations Dangerous for Supply.

**GUIDANCE NOTES:** Workplace Exposure Limits EH40

## 16. Other Information

**GENERAL INFORMATION:** Shelf life: 36 months when stored within advised conditions.

### RISK PHRASES IN FULL:

R10 Flammable.

R22 Harmful if swallowed.

R65 Harmful: may cause lung damage if swallowed.

R38 Irritating to skin. R43 May cause sensitisation by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### HAZARD STATEMENTS IN FULL:

H315 Causes skin irritation.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

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.

H400 Very toxic to aquatic life.