

Issued: 27.01.2011.

1 Identification of substance




- 1 **Product details** Juniperberry oil
 2 **CAS number:** 84603-69-0
 3 **EINECS number:** 283-268-3
 4 **Utilization:** Cosmetics, aroma therapy

6 · Information department:

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2 Hazards identification

Pictograms, signal words, hazard statements and precautionary statements

67/548/EGK, 1999/45/EK (Kbtv., 44/2000 EüM r.)	CLP -Regulation (EC) No 1272/2008 Pictograms, and signal words		Hazard statements	Precautionary statements		
				Physical	Health	Environmental
Xi (Irritant)	GHS07	 Warning	H315	P264 P280	P302 P305 P351 P352 P337 P321 P332 P313 P362	
Xn (Harmful)	GHS07	 Warning	H302 H312 H332	P264 P270 P280 P261 P271	P301 P312 P330 P302 P352 P312 P322 P363 P304 P340 P312	P501
	GHS02	 Warning	H226	P210 P233 P240 P241 P242 P243 P280	P303 P361 P353 P370 P378	P403 P235 + P501

2 Nature of special risks attributed to dangerous substances and preparations: R-phrases and hazard statements

R 10	Flammable	H226	Flammable	
R 20/21/22	Harmful by inhalation, in contact with skin and if swallowed	H332 H312 H302	Harmful if inhaled in contact with skin Harmful if swallowed	Harmful
R 36/38	Irritating to eyes and skin	H319 H315	Causes serious eye irritation Causes skin irritation	
R 43	May cause sensitization by skin contact	H317	May cause an allergic skin reaction	
R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment	H411	Toxic to aquatic life with long lasting effects	
R 65	Harmful: may cause lung damage if swallowed			

3 Composition/Data on components

1 Chemical characterization

Juniperberry oil

2 Dangerous components:

Component name	IUPAC name	CAS number	EINECS number	%	Symbol(s)	R- and S-phrases
Pinene Alpha	bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl	80-56-8	201-291-9	40,00%	Xn N	R10-50/53-65 S61-62
Myrcene	7-methyl-3-methylideneocta-1,6-diene	123-35-3	204-622-5	15,00%	Xn Xi	R10-65

Pinene beta	7,7-dimethyl-4-methylidenebicyclo[3.1.1]heptane	127-91-3	204-872-5	10,00%	Xn, N	R10-50/53-65; S61-62
Sabinene	4-methylidene-1-propan-2-ylbicyclo[3.1.0]hexane	3387-41-5	222-212-4	8,00%	Xi	R-10; R36/37/38; S17; S26; S36
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4 First aid measures

1 • **After inhalation:**

Supply fresh air and to be sure call for a doctor.

2 • **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Immediately rinse with water.

3 • **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

4 • **After swallowing:**

If symptoms persist consult doctor.

If swallowed, rinse mouth with water (only if the person is conscious)

5 Fire fighting measures

- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder.
- **For safety reasons unsuitable extinguishing agents:**
 - Water
 - Water with full jet
- **Protective equipment:** Mount respiratory protective device.

6 Accidental release measures

- 1 • **Person-related safety precautions:**
 - Wear protective equipment. Keep unprotected persons away.
- 2 • **Measures for environmental protection:**
 - Prevent seepage into sewage system, workpits and cellars.
 - Ensure adequate ventilation.
 - Do not allow to enter sewers/ surface or ground water.
- 3 • **Measures for cleaning/collecting:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Dispose contaminated material as waste according to item 13.
 - To clean the floor and all objects contaminated by this material, use aqueous cleansing agents
 - Do not flush with water or aqueous cleansing agents

7 Handling and storage

1 Handling

- **Information for safe handling:**
 - Ensure good ventilation/exhaustion at the workplace.
- **When using do not eat or drink**
- **Information about protection against explosions and fires:**
 - When using do not smoke
 - Keep ignition sources away
 - Protect against electrostatic charges.

2 Storage

- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
 - Keep receptacle tightly sealed.
 - Store in cool, dry conditions in well sealed receptacles.
 - Keep out of the reach of children
 - Keep container tightly closed
 - Keep away from food, drink and animal feedingstuffs
 - Keep away from heat
 - Keep away from sources of ignition - No smoking

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- 1 • **General protective and hygienic measures:**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing.
 - Wash hands before breaks and at the end of work.
 - Avoid contact with the eyes and skin.
 - Take precautionary measures against static discharges
- 2 • **Breathing equipment:**
 - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
 - In case of insufficient ventilation, wear suitable respiratory equipment
 - In case of fire and/or explosion do not breathe fumes
- 3 • **Protection of hands:**
 - Wear suitable gloves
- 4 • **Eye protection:**
 - Tightly sealed goggles
 - Wear eye/face protection

9 Physical and chemical properties

- **Form:** Fluid
- **Color:** According to product specification
- **Odor:** Characteristic
- **Change in condition**
 - Melting point/Melting range: Undetermined.
 - Boiling point/Boiling range: n.a. °C
- **Flash point:** 41 °C
- **Ignition temperature:** n.a. °C
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
- **Explosion limits:**
 - Lower:
 - Upper:
- **Vapor pressure at 20°C**
- **Density at 20°C (68°F):**
- **Solubility in / Miscibility with**
 - Water: Not miscible or difficult to mix.
- **pH-value at 20°C (68°F):** n.a.
- **Solvent content:**
 - Organic solvents: 0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions No dangerous reactions known.**
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **LD/Lc50 values that are relevant for classification:**
84603-69-0 Juniperberry oil
- **Oral LD50** 8000 mg/kg (rat)
- **Dermal LD50** 5000 mg/kg (rbt)
- **Primary irritant effect:**
- **on the skin:**
- **on the eye:**
- **Sensitization:**
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:

12 Ecological information

- **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Do not empty into drains; dispose of this material and its container in a safe way

13 Disposal considerations

- **Product:** Juniperberry oil
- **Recommendation:**
This material and its container must be disposed of as hazardous waste
Do not empty into drains
This material and its container must be disposed of in a safe way
Dispose of this material and its container to hazardous or special waste collection point
Use appropriate container to avoid environmental contamination
Refer to manufacturer/supplier for information on recovery/recycling
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

EWC: 13 08 99

14 Transport information

· **DOT regulations:**

· **Hazard class:** 3



· **Identification number:** UN1169

· **Packing group:**

· **Land transport ADR/RID (cross-border):**

· ADR/RID class: 3
 · Label: 3
 · Packaging group: III
 · UN-Number: UN1169
 · Proper shipping name: Extracts, Aromatic , Liquid

· **Maritime transport IMDG:**

· IMDG Class: 3
 · Label: 3
 · UN Number: UN1169
 · Packaging group: III
 · EMS Number:
 · Marine pollutant: Yes
 · Proper shipping name: Extracts, Aromatic , Liquid

· **Air transport ICAO-TI and IATA-DGR:**

· ICAO/IATA: 3
 · Label: 3
 · UN/ID Number: UN1169
 · Packaging group: III
 · Proper shipping name: Extracts, Aromatic , Liquid


15 Regulations

· **Product related hazard informations:**

*The product has been classified and marked in accordance with
 EU Classification (671548/EEC-8813791EEC) 1907/2006, 1272/2008 and 453/2010/EC*

· **Hazard symbols:**

Xi : Irritant GHS07  Warning

Xn: Harmful GHS07  Warning

N : Dangerous to the environment

· **Hazard-determining components of labelling:**

· **Risk phrases:**

R 10 *Flammable*
R 20/21/22 *Harmful by inhalation, in contact with skin and if swallowed*
R 36/38 *Irritating to eyes and skin*
R 43 *May cause sensitization by skin contact*
R 51/53 *Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment*
R 65 *Harmful: may cause lung damage if swallowed*

· **Safety phrases:**

S 1 *Keep locked up*
S 2 *Keep out of the reach of children*
S 13 *Keep away from food, drink and animal feedingstuffs*
S 25 *Avoid contact with eyes*
S 29 *Do not empty into drains*
S 35 *This material and its container must be disposed of in a safe way*
S 36 *Wear suitable protective clothing*
S 37 *Wear suitable gloves*
S 38 *In case of insufficient ventilation, wear suitable respiratory equipment*
S 40 *To clean the floor and all objects contaminated by this material, use aqueous cleansing agents*
S 43 *In case of fire, use CO₂, sand, or extinguishing powder*
S 45 *In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)*
S 46 *If swallowed, seek medical advice immediately and show this container or label*
S 56 *Dispose of this material and its container to hazardous or special waste collection point*
S 57 *Use appropriate container to avoid environmental contamination*
S 59 *Refer to manufacturer/supplier for information on recovery/recycling*
S 60 *This material and its container must be disposed of as hazardous waste*
S 61 *Avoid release to the environment. Refer to special instructions/safety data sheets*

Material Data Sheet
as per 671548/EEC-8813791EEC

Printing date:2011.02.03

Reviewing date2011.02.03

S 63 *In case of accident by inhalation: remove casualty to fresh air and keep at rest*
S 64 *If swallowed, rinse mouth with water (only if the person is conscious)*

· **Special labeling of certain preparations:**

· **National regulations:** 67/548/EEC, 1907/2006/EEC (REACH)

· **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

16 Other information

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of our knowledge; however, we make no warranty whatsoever, expressed or implied, of MERCHANTABILITY or FITNESS FOR THE PARTICULAR PURPOSE, regarding the accuracy of such data or the results to be obtained from the use thereof. We assume no responsibility for the injury to recipient or to third persons or for any damage to any property and recipient assumes all such risks.

A list of reference resources used to assist the committee may be found at:

RTECS – Registry of Toxic Effects of Chemical Substances; OHMTADS – Oil and Hazardous Materials – Technical Assistance Data System; CHRIS – The Chemical Hazards Response Information System; HSBD – Hazardous Substances Data Bank; IRIS – Integrated Risk Information System; TSCA – Toxic Substance Control Act Inventory; NPG – NIOSH Pocket Guide (NIOSH – National Institute for Occupational Safety and Health) ERG2000 Emergency Response Guide 2000 Database.

- S 1** *Keep locked up*
- S 2** *Keep out of the reach of children*
- S 13** *Keep away from food, drink and animal feedingstuffs*
- S 25** *Avoid contact with eyes*
- S 29** *Do not empty into drains*
- S 35** *This material and its container must be disposed of in a safe way*
- S 36** *Wear suitable protective clothing*
- S 37** *Wear suitable gloves*
- S 38** *In case of insufficient ventilation, wear suitable respiratory equipment*
- S 40** *To clean the floor and all objects contaminated by this material, use aqueous cleansing agents*
- S 43** *In case of fire, use CO₂, sand, or extinguishing powder*
- S 45** *In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)*
- S 46** *If swallowed, seek medical advice immediately and show this container or label*
- S 56** *Dispose of this material and its container to hazardous or special waste collection point*
- S 57** *Use appropriate container to avoid environmental contamination*
- S 59** *Refer to manufacturer/supplier for information on recovery/recycling*
- S 60** *This material and its container must be disposed of as hazardous waste*
- S 61** *Avoid release to the environment. Refer to special instructions/safety data sheets*
- S 63** *In case of accident by inhalation: remove casualty to fresh air and keep at rest*
- S 64** *If swallowed, rinse mouth with water (only if the person is conscious)*

Nature of special risks attributed to dangerous substances and preparations or the components: R-phrases

Xi : Irritant

Xn: Harmful

N : Dangerous to the environment