

## Substance Information Document

### Juniper oil

#### 1. Substance identity

Name	Juniper oil
Synonyms	Juniper branches oil ( <i>Juniperus communis</i> L.); Essential oils, juniper; Juniper berry oil; Juniper branches oil ( <i>Juniperus communis</i> L.);
IUPAC Name	N/A*
CAS	8002-68-4

\*Non answered, IUPAC Name was not found.

#### 2. Toxicological information

Hydrocarbons are the major components of Juniper Berry Oil (*Juniperus communis* L.). Monoterpene (mainly alpha-pinene and myrcene) and sesquiterpene (mainly beta-caryophyllene, and delta-cadinene) hydrocarbons make up more than 30% of the oil.

Undiluted Juniper Berry Oil did not induce skin irritation when applied to the backs of hairless mice and swine. However, after the oil (undiluted) was applied to intact or abraded skin of rabbits for 24 hours under occlusive patches, skin irritation was moderate.

Studies in laboratory animals suggest that Juniper Berry Oil is of moderate-low acute oral toxicity (LD50 rats > 5 g/kg bw). Similar consideration for Juniper Berry Oil can be drawn for dermal toxicity studies in laboratory animals (Dermal LD50 rabbits > 5 g/kg bw). Limited information is available on the acute-dose toxicity of Juniper Berry Oil after inhalation exposure.

Limited information is available on the repeated-dose toxicity of Juniper Berry Oil after oral, inhalation or dermal exposure.

No data were identified for genotoxicity, carcinogenicity, and reproductive and developmental toxicity.

JECFA	-
FEMA	<a href="#">3. GRAS Substances (2001-3124) 0.pdf (femaflavor.org)</a>
EFSA	-
ECHA – REACH dossier	No Registration dossier
PUBCHEM	<a href="#">SID 135304338 - PubChem (nih.gov)</a>
CIR	<a href="#">Final Report on the Safety Assessment of Juniperus Communis Extract, Juniperus Oxycedrus Extract, Juniperus Oxycedrus Tar, Juniperus Phoenicea Extract, and Juniperus Virginiana Extract (personalcarecouncil.org)</a>

OSHA	-
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### 3. Addictiveness and attractiveness

No substance-specific data were identified.

SCENIHR	-
EMA	-
PUBMED	-