





## Safety Data Sheet

### 01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

<b>1.1 Product Identifier</b>					
Product Name		Cedarwood Oil Virginian.			
Biological Definition		Juniperus Virginiana Wood Oil is an essential oil obtained from the wood and twigs of the Red Cedar, <i>Juniperus virginiana</i> L., Cupressaceae. It contains chiefly cedrene and cedral (cedar camphor).			
INCI Name		Juniperus Virginiana Wood Oil			
Synonyms & Trade Names		-			
CAS-No	85085-41-2	EC No.	285-370-3	EINECS No.	285-370-3
<b>1.2 Relative identified uses of the substance or mixture and uses advised against</b>					
Industry use only.					
<b>1.3 Details of the supplier of the safety data sheet</b>					
Golden Bough Botanicals Inc 12-1585 Cliveden Ave Delta BC V3M 6M1					
<b>1.4 Emergency Tel. No.</b>		604-540-8700 (Monday-Friday 8:30 am-4:30 pm)			

### 02. HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
The full text for all hazard statements displayed in Section 16.	
Classification (EC 1272/2008)	
Aspiration toxicity	Category 1 - (H304)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)
<b>2.2 Label Elements</b>	
Label in accordance with (EC) No 1272/2008	
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>GHS08</p>  </div> <div style="text-align: center;"> <p>GHS09</p>  </div> </div>	
Signal Word	Danger.
Contains	Alpha-Cedrene
Hazard Statements	
H304 - May be fatal if swallowed and enters airways. H410 - Very toxic to aquatic life with long lasting effects.	
Precautionary Statements	
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P273 - Avoid release to the environment. P501 - Dispose of contents/ container to an approved waste disposal plant.	

Supplementary Precautionary Statements	
None.	
<b>2.3 Other Hazards</b>	
PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	Causes mild skin irritation.

### 03. COMPOSITION/INFORMATION ON INGREDIENTS

<b>3.1 Substances</b>		
<b>20.0 - 30.0% Cedrol</b>	CAS-No: 77-53-2	EC No: 201-035-6
Classification (EC 1272/2008): Aquatic Chronic 2 (H411)		
<b>10.0 – 20.0% alpha-Cedrene</b>	CAS-No: 469-61-4	EC No: 207-418-4
Classification (EC 1272/2008): Asp. Tox. 1 (H304), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410)		
<b>1.0 – 10.0 alpha-Cuparene</b>	CAS-No: 56324-31-3	EC No:-
Classification (EC 1272/2008): Not classified		
<b>2.0 - 6.0% beta-Cedrene</b>	CAS-No: 546-28-1	EC No: 208-898-8
Classification (EC 1272/2008): Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410)		

### 04. FIRST AID MEASURES

<b>4.1 Description of first aid measures</b>	
Inhalation	Move to fresh air in case of accidental inhalation of vapours. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
Ingestion	Do not induce vomiting without medical advice. Clean mouth with water. Never give anything by mouth to an unconscious person. Get medical attention.
Skin Contact	Remove contaminated clothing and shoes. Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. Consult a physician if necessary.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	
None known.	
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	
Treat symptomatically.	

### 05. FIRE-FIGHTING MEASURES

<b>5.1 Extinguishing Media</b>	
Suitable extinguishing media: Use CO <sub>2</sub> , dry chemical or Foam.	
<b>5.2 Special hazards arising from the product</b>	
Thermal decomposition can lead to release of irritating and toxic gases and vapours. Hazardous combustion products Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.	

<b>5.3 Advice for firefighters</b>
Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.


## 06. ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>
Ensure adequate ventilation, especially in confined areas. Use personal protection recommended in Section 8.
<b>6.2 Environmental Precautions</b>
Collect spillage. Prevent any material from entering drains or waterways.
<b>6.3 Methods and material for containment and cleaning up.</b>
<p><u>Methods for Containment</u> Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).</p> <p><u>Methods for cleaning up</u> Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal.</p>
<b>6.4 Reference to other sections</b>
Wear protective clothing as described in Section 8 of this safety data sheet.

## 07. HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>
Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>
Storage conditions: keep containers tightly closed in a dry, cool and well ventilated place.
<b>7.3 Specific end use(s)</b>
Risk Management Methods (RMM): The information required is contained in this Material Safety Data Sheet.

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>8.1 Control parameters</b>				
<table border="0"> <tr> <td>Derived No Effect Level (DNEL)</td> <td>No information available</td> </tr> <tr> <td>Predicted No Effect Concentration (PNEC)</td> <td>No information available</td> </tr> </table>	Derived No Effect Level (DNEL)	No information available	Predicted No Effect Concentration (PNEC)	No information available
Derived No Effect Level (DNEL)	No information available			
Predicted No Effect Concentration (PNEC)	No information available			
<b>8.2 Exposure controls</b>				
Protective Equipment				
				
Process Conditions	Provide eyewash station.			
Engineering Measures	Ensure adequate ventilation, especially in confined areas.			
Respiratory Equipment	Ensure adequate ventilation. Breathing apparatus should not be necessary.			
Hand Protection	Wear gloves to avoid skin contact.			
Eye Protection	Avoid contact with eyes. Wear safety glasses with side shields (or goggles).			
Other Protection	Wear suitable protective clothing, to avoid skin contact.			
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with			

	chemicals / oils. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas
Personal Protection	Use personal protection according to Directive 89/686/EEC. Ensure protective equipment is clean and has been properly maintained.
Skin Protection	Avoid skin contact. Wear suitable protective clothing. Wash contaminated clothing before reuse.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

## 09. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Liquid, pale yellow to dark yellow.
Colour	Pale yellow to dark yellow.
Odour	Characteristic.
Relative Density	Approx. 0.953 @ 20°C
Flash Point (°C)	> 100.0
Refractive Index	Approx. 1.506@ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure	No additional data available.
Solubility in Water @20°C	No additional data available.
Auto-ignition temperature (°C)	No additional data available.

### 9.2 Other information

No additional data available.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No additional data available.

### 10.2 Chemical stability

Stable under the recommended handling and storage conditions.

Explosion data

Sensitivity to Mechanical Impact          None.

Sensitivity to Static Discharge                None.

### 10.3 Possible hazardous reactions

None under normal conditions of use.

### 10.4 Conditions to Avoid

Avoid extremes of temperature and direct sunlight.

### 10.5 Incompatible materials

No additional data available.

### 10.6 Hazardous Decomposition Products

None under normal conditions of use.

## 11. TOXOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute Toxicity	Product does not present an acute toxicity hazard based on known or supplied information.  CEDROL      Dermal LD50   > 5g/kg (Rabbit)
Skin corrosion / irritation	Not classified.
Serious eye damage / irritation	Not classified.
Respiratory or skin sensitisation	Not expected to cause skin sensitization.
Germ Cell Mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	This product does not contain any known or suspected reproductive hazards above the threshold value.
STOT-single exposure	Not classified.
STOT-repeated exposure	Not classified.
Aspiration hazard	May be fatal if swallowed and enters airways.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

## 12. ECOLOGICAL INFORMATION



<b>12.1 Toxicity</b>
Very toxic to aquatic life with long lasting effects.
<b>12.2 Persistence &amp; degradability</b>
No additional data available.
<b>12.3 Bioaccumulation Potential</b>
No additional data available.
<b>12.4 Mobility in soil</b>
No additional data available.
<b>12.5 Results of PBT and vPvB Assessment</b>
No additional data available.
<b>12.6 Other adverse effects</b>
Do not allow product to enter streams, sewers or other waterways.

## 13. DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>
Do not pour into drains or waterways. <u>Disposal of wastes</u> Disposal should be in accordance with applicable regional, national and local laws and regulations. <u>Contaminated packaging</u> Improper disposal or reuse of this container may be dangerous and illegal.

## 14. TRANSPORT INFORMATION

<b>14.1 UN number</b>	
UN No. Road	UN3082
UN No. SEA	UN3082
UN No. AIR	UN3082
<b>14.2 UN proper shipping name</b>	
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	

<b>14.3 Transport hazard class(es)</b>	
ADR/RID/ADN Class:	9: Miscellaneous dangerous substances and articles.
IMDG Class:	9
ICAO Class/Division:	9
Transport Labels	
	
<b>14.4 Packing group</b>	
ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III
<b>14.5 Environmental hazards</b>	
Environmentally Hazardous Substance/Marine Pollutant	
	
<b>14.6 Special precautions for user</b>	
None.	
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code</b>	
No additional data available.	

## 15. REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
<u>Statutory Instruments</u> The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). <u>Guidance Notes</u> Workplace Exposure Limits EH40. CHIP for everyone HSG(108). <u>EU Legislation</u> 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.	
<b>15.2 Chemical safety assessment</b>	
No additional information available.	

## 16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	H304 - May be fatal if swallowed and enters airways H400 - Very toxic to aquatic life
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	H410 - Very toxic to aquatic life with long lasting effects H411 - Toxic to aquatic life with long lasting effects
Other Information	None
Revision Date	November 17,2017
Reason for revision	Updated SDS
Rev No/Repl, SDS Generated	03

**DISCLAIMER:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.