



# CEDARWOOD OIL VIRGINIA

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 06/01/2015

Revision date: 06/01/2015

### SECTION 1: Identification

#### 1.1. Identification

Name : CEDARWOOD OIL VIRGINIA  
CAS No : 8000-27-9

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Industrial uses: Uses of substances as such or in preparations\* at industrial sites  
Use of the substance/mixture : Raw material  
Insecticide

#### 1.3. Details of the supplier of the safety data sheet

NOW Foods Health Group, Inc  
395 Glen Ellyn Rd  
Bloomington, IL  
T 630-545-9098

#### 1.4. Emergency telephone number

Emergency number : 1-800-255-3924 Hours Emergency Chemtel 1-813-248-0585.

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Asp. Tox. 1	H304 -	May be fatal if swallowed and enters airways
Aquatic Acute 2	H401 -	Toxic to aquatic life
Aquatic Chronic 2	H411 -	Toxic to aquatic life with long lasting effects

Full text of H-statements: see section 16

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



GHS08

GHS09

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H304 - May be fatal if swallowed and enters airways  
H401 - Toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS-US) :

P273 - Avoid release to the environment  
P301+P310 - IF SWALLOWED: immediately call a POISON CENTER or doctor/physician  
P331 - Do NOT induce vomiting  
P391 - Collect spillage  
P405 - Store locked up  
P501 - Dispose in a safe manner in accordance with local/national regulations

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

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Name	Product identifier	%	GHS-US classification
alpha-Cedrene	(CAS No) 469-61-4	10 - 25	Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CARYOPHYLLENE	(CAS No) 87-44-5	1 - 5	Asp. Tox. 1, H304

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Unconscious: maintain adequate airway and respiration. Check the vital functions. Vomiting: prevent asphyxia/aspiration pneumonia. Respiratory arrest: artificial respiration or oxygen. Keep watching the victim. Keep the victim calm, avoid physical strain. Give psychological aid. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Call a physician immediately. Cardiac arrest: perform resuscitation. Prevent cooling by covering the victim (no warming up).
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Remove victim to fresh air. Get medical advice/attention if you feel unwell. Allow breathing of fresh air. Allow the victim to rest.
- First-aid measures after skin contact : Wash with plenty of soap and water. Get medical advice/attention. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. Rinse eyes with water as a precaution. Do not apply (chemical) neutralizing agents.
- First-aid measures after ingestion : Ingestion of large quantities: immediately to hospital. Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. Call a physician immediately.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : Irritation of the nasal mucous membranes. Irritation to the respiratory tract.
- Symptoms/injuries after skin contact : Tingling/irritation of the skin.
- Symptoms/injuries after eye contact : Irritation of the eye tissue.
- Symptoms/injuries after ingestion : May be fatal if swallowed and enters airways. Risk of lung oedema.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : BC-powder. Polyvalent foam. Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Combustible liquid.
- Explosion hazard : No data available.
- Reactivity : On combustion, forms: carbon oxides (CO and CO<sub>2</sub>).

#### 5.3. Advice for firefighters

- Precautionary measures fire : Keep upwind.
- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Heat/fire exposure: compressed air/oxygen apparatus. Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- Protective equipment : Protective clothing. Gloves. Face shield.
- Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Wash contaminated clothes. Evacuate unnecessary personnel. Mark the danger area.

##### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

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Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Stop leak, if possible without risk. Collect spillage.  
Methods for cleaning up : Take up liquid spill into absorbent material. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

See Heading 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Comply with local regulations for disposal. Remove contaminated clothing. Keep container tightly closed. Keep away from sources of ignition - No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Carry out operations in the open/under local exhaust/ventilation or with respiratory protection.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use. Store locked up. Store in a well-ventilated place. Keep cool.  
Incompatible products : Strong bases. Strong acids.  
Incompatible materials : Sources of ignition. Direct sunlight.  
Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Prohibitions on mixed storage : OXIDIZING AGENTS.  
Storage area : Meets the legal requirements. Store in a dark area.  
Special rules on packaging : Meets the legal requirements. opaque. Store in a closed container.  
Packaging materials : No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Personal protective equipment : Avoid all unnecessary exposure.  
Materials for protective clothing : No data available.  
Hand protection : Wear protective gloves/protective clothing/eye protection protective gloves. In case of repeated or prolonged contact wear gloves.  
Eye protection : Face shield. Chemical goggles or safety glasses. Safety glasses.  
Skin and body protection : Protective clothing.  
Respiratory protection : Wear appropriate mask. Wear respiratory protection.  
Environmental exposure controls : Avoid release to the environment.  
Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

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Appearance	: Liquid.
Colour	: light yellow
Odour	: Sweet aromatic
Odour threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 200 °F
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: > 1
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Vapour pressure	: 0.006279 mm Hg 20°C
Relative density	: 0.954
Relative vapour density at 20 °C	: No data available
Density	: 952 kg/m <sup>3</sup>
Solubility	: Soluble in ether. Soluble in ethanol. insoluble in water. Water: < 0.1 g/100ml
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

### 9.2. Other information

Other properties : Slightly volatile. Gas/vapour heavier than air at 20°C.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

On combustion, forms: carbon oxides (CO and CO<sub>2</sub>).

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

CEDARWOOD OIL VIRGINIA (8000-27-9)	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)

Skin corrosion/irritation : Not classified

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Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: Irritation of the nasal mucous membranes. Irritation to the respiratory tract.
Symptoms/injuries after skin contact	: Tingling/irritation of the skin.
Symptoms/injuries after eye contact	: Irritation of the eye tissue.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways. Risk of lung oedema.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Ecology - air	: Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).
Ecology - water	: Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

<b>CEDARWOOD OIL VIRGINIA (8000-27-9)</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.
<b>alpha-Cedrene (469-61-4)</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.
<b>CARYOPHYLLENE (87-44-5)</b>	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

<b>CEDARWOOD OIL VIRGINIA (8000-27-9)</b>	
Bioaccumulative potential	Not established.
<b>alpha-Cedrene (469-61-4)</b>	
Bioaccumulative potential	Not established.
<b>CARYOPHYLLENE (87-44-5)</b>	
Bioaccumulative potential	Not established.

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on the global warming	: No known ecological damage caused by this product.
Other information	: Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Waste disposal recommendations	: Avoid release to the environment. Remove to an authorized waste treatment plant. Dispose in a safe manner in accordance with local/national regulations. Comply with local regulations for disposal.
Additional information	: Hazardous waste according to Directive 2008/98/EC.
Ecology - waste materials	: Avoid release to the environment. Hazardous waste due to toxicity.

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### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT  
Not regulated for transport

#### TDG

No additional information available

#### Transport by sea

UN-No. (IMDG) : 3082  
Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
Class (IMDG) : 9 - Miscellaneous dangerous substances and articles  
Packing group (IMDG) : III - substances presenting low danger  
MFAG-No : 171

#### Air transport

UN-No. (IATA) : 3082  
Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s.  
Class (IATA) : 9 - Miscellaneous Dangerous Goods  
Packing group (IATA) : III - Minor Danger  
Civil Aeronautics Law : Miscellaneous dangerous substances & articles (Hazardous materials notice Appended Table 1 Article 194 of the Enforcement Regulations)

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### **CEDARWOOD OIL VIRGINIA (8000-27-9)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### **alpha-Cedrene (469-61-4)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### **CARYOPHYLLENE (87-44-5)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. International regulations

##### CANADA

No additional information available

##### EU-Regulations

No additional information available

##### National regulations

No additional information available

#### 15.3. US State regulations

No additional information available

### SECTION 16: Other information

Revision date : 06/01/2015  
Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.  
Other information : None.

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### Full text of H-statements:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Acute 2	Hazardous to the aquatic environment — Acute Hazard, Category 2
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
H304	May be fatal if swallowed and enters airways
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

### NFPA health hazard

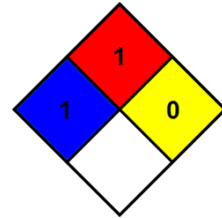
: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

### NFPA fire hazard

: 1 - Must be preheated before ignition can occur.

### NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III Rating

#### Health

: 1 Slight Hazard - Irritation or minor reversible injury possible

#### Flammability

: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

#### Physical

: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

#### Personal Protection

: B

B - Safety glasses, Gloves

### SDS US 5.2

*This information is based on our current knowledge . However, this shall not constitute a guarantee for any specific product features and shall not establish a legally void contractual relationship.*