

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

Anatolian Treasu	Tes Dat	te of issue: 10/29/2018
SECTION 1: Identificat	tion	
1.1. Identification		
Product form		: Substance
Substance name		: Spruce Oil
CAS-No.		: 8008-80-8
Product code		: 130
Synonyms		: Tsuga canadensis
1.2. Recommended us	e and restricti	ons on use
No additional information avail	lable	
1.3. Supplier		
Appalachian Valley Natural 260 Maple St PO Box 515 Friendsville MD 21531 (301)746-4630 GOAVNP.COM		
1.4. Emergency teleph	one number	
Emergency number		: ChemTel: 1-800-255-3924 (Domestic) 1-813-248-0585 (International)
SECTION 2: Hazard(s)	identificati	on
2.1. Classification of the		
GHS-US classification		
Flammable liquids Category 3	H226	Flammable liquid and vapour
Skin corrosion/irritation Category 2	H315	Causes skin irritation
Hazardous to the aquatic environment - Acute	H401	Toxic to aquatic life
Hazard Category 2 Hazardous to the aquatic environment - Chronic Hazard Category 2	H411	Toxic to aquatic life with long lasting effects
Full text of H statements : see	e section 16	
	its, including p	precautionary statements
GHS-US labeling	<b>C</b> )	
Hazard pictograms (GHS-U	5)	
Signal word (GHS-US)		: Warning
Hazard statements (GHS-U	3)	<ul> <li>H226 - Flammable liquid and vapour</li> <li>H315 - Causes skin irritation</li> <li>H401 - Toxic to aquatic life</li> <li>H411 - Toxic to aquatic life with long lasting effects</li> </ul>
Precautionary statements (C	}HS-US)	<ul> <li>P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking.</li> <li>P233 - Keep container tightly closed.</li> <li>P240 - Ground/Bond container and receiving equipment</li> <li>P241 - Use explosion-proc electrical/ventilation/lighting equipment</li> </ul>

- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P264 Wash hands, forearms and face thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 If on skin: Wash with plenty of water
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
- P321 Specific treatment (see supplemental first aid instruction on this label)

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2.2 Other bezerde which do not rea	accordance with local, re	ontaminated clothing and fire: Use media other that well-ventilated place. Kee hts/container to hazardou	wash it be n water to ep cool. is or spec	efore reuse. extinguish. ial waste collection point, in
2.3. Other hazards which do not result No additional information available	ult in classification			
	C)			
2.4. Unknown acute toxicity (GHS US Not applicable	3)			
SECTION 3: Composition/Informa	ation on ingredients			
3.1. Substances			_	
Name		Product identifier	%	GHS-US classification
Spruce Oil (Main constituent)		(CAS-No.) 8008-80-8	100	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
ull text of hazard classes and H-statements	s : see section 16			
.2. Mixtures				
lot applicable				
ECTION 4: First-aid measures				
.1. Description of first aid measures	S			
First-aid measures after inhalation	: Remove person to fresh	air and keep comfortable	for breat	hing.
First-aid measures after skin contact	: Rinse skin with water/sho irritation occurs: Get med		mmediatel	y all contaminated clothing. If skin
First-aid measures after eye contact	: Rinse eyes with water as	a precaution.		
First-aid measures after ingestion	: Call a poison center or a	doctor if you feel unwell.		
.2. Most important symptoms and e	effects (acute and delayed)			
Symptoms/effects after skin contact	: Irritation.			
.3. Immediate medical attention and	d special treatment, if necessary	1		
reat symptomatically.				
ECTION 5: Fire-fighting measure	25			
.1. Suitable (and unsuitable) exting				
Suitable extinguishing media	: Water spray. Dry powder	Foam Carbon dioxide		
		. Foam. Carbon dioxide.		
.2. Specific hazards arising from th				
Fire hazard	: Flammable liquid and va	•		
Reactivity	: Flammable liquid and va	pour.		
.3. Special protective equipment an				
Protection during firefighting	: Do not attempt to take ac apparatus. Complete pro		tective eq	uipment. Self-contained breathing
SECTION 6: Accidental release m	easures			
.1. Personal precautions, protective		ocedures		
.1.1. For non-emergency personnel				
Emergency procedures	: Ventilate spillage area. N and eyes.	IO open flames, NO spar	ks, and N	O smoking. Avoid contact with skin
.1.2. For emergency responders				
Protective equipment	: Do not attempt to take ad refer to section 8: "Expos			uipment. For further information
<b>Environmental precautions</b>				

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6.3.	Methods and material for conta	inment and cleaning up
For c	ontainment	: Collect spillage.
Meth	ods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Othe	rinformation	: Dispose of materials or solid residues at an authorized site.
6.4.	Reference to other sections	

For further information refer to section 8 : Exposure-controls/personal protection"".

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes.
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including	ng any incompatibilities
Technical measures	: Ground/bond container and receiving equipment.
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed.

SECTION 8: Exposure controls/personal protection		
8.1. Control parameters		
No additional information available		
8.2. Appropriate engineering control	5	
Appropriate engineering controls	: Ensure good ventilation of the work station.	
Environmental exposure controls	: Avoid release to the environment.	
9.2 Individual protection measured	Personal protective equipment	
8.3. Individual protection measures/	rersonal protective equipment	

#### Hand protection:

Protective gloves

Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### **Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and	chemical properties	
Physical state	: Mobile Liquid	
Color	: Semi-Opaque, Colorless to Pale Yellow	
Odor	: Fir, Woody, Herbal, Earthy, Fresh	
Odor threshold	: No data available	
рН	: No data available	
Melting point	: Not applicable	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: 42.2 °C	
Relative evaporation rate (butyl acetate=1)	: No data available	

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Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

#### 9.2. Other information

No additional information available

SECTION 10: Stability and reactivity				
10.1. Reactivity				
Flammable liquid and vapour.				
10.2. Chemical stability				
Stable under normal conditions.				
10.3. Possibility of hazardous reactions				
No dangerous reactions known under normal conditions of use.				
10.4. Conditions to avoid				
Avoid contact with hot surfaces. Heat. No flames, No sparks. Eliminate all sources of ignition.				
10.5. Incompatible materials				
No additional information available				

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological informati	on
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: 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	: Not classified
Symptoms/effects after skin contact	: Irritation.
SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: Toxic to aquatic life with long lasting effects. Toxic to aquatic life.
12.2 Porsistoneo and dogradability	

**12.2.** Persistence and degradability No additional information available

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**SECTION 13: Disposal considerations** 

**Disposal methods** 

13.1.

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12.4. Mo	information available bility in soil		
	bility in soil		
	information available		
12.5. Otl	her adverse effects		
No additional	information available		

Waste treatment methods Additional information	<ul> <li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li> <li>Flammable vapors may accumulate in the container.</li> </ul>
SECTION 14: Transport information	
Department of Transportation (DOT) In accordance with DOT	
Transport document description UN-No.(DOT) Proper Shipping Name (DOT) Class (DOT) Packing group (DOT) Hazard labels (DOT)	<ul> <li>UN1169 Extracts, aromatic, liquid, 3, III</li> <li>UN1169</li> <li>Extracts, aromatic, liquid</li> <li>3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120</li> <li>III - Minor Danger</li> <li>3 - Flammable liquid</li> </ul>
Dangerous for the environment Marine pollutant	: Yes : Yes
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Special Provisions (49 CFR 172.102)	<ul> <li>B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.</li> <li>IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).</li> <li>T2 - 1.5 178.274(d)(2) Normal</li></ul>
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

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Emergency Response Guide (ERG) Number

Other information

: 127 : No supplementary information available.

**Transportation of Dangerous Goods** 

Not applicable

#### **Transport by sea**

Transport document description (IMDG) UN-No. (IMDG) Proper Shipping Name (IMDG) Class (IMDG) Packing group (IMDG) Limited quantities (IMDG) Marine pollutant

: UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III : 1169 : EXTRACTS, AROMATIC, LIQUID : 3 - Flammable liquids : III - substances presenting low danger

- : 5 L : Yes



#### Air transport

atic, liquid, 3, III

#### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

Spruce Oil (8008-80-8)

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

#### 15.2. International regulations

#### CANADA

#### Spruce Oil (8008-80-8)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### **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**

#### Full text of H-phrases:

H226	Flammable liquid and vapour
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#### SDS US (GHS HazCom 2012)

Company Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Appalachian Valley Natural Products shall not be held liable for any damage resulting from handling or from contact with the above product.