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### 1. Product and Company Information

Product Name: Giant Arborvitae oil  
Taxonomic name: Thuja plicata  
Application: NOT for consumption; for fragrance use only  
CAS No.: 68917-35-1  
Date of last revision: November 09, 2011 (NJ)  
Product Code: NWAGAO  
Medical Emergency: Contact local poison control immediately.

### 2. Composition / Information on Ingredients

This product contains the following chemicals (No PEL applies):

CAS:	68917-35-1
Chemical Name:	Oils, Thuja plicata
% by weight	100

This product is not known to be hazardous according to OSHA (29 CFR 1910.1200)

### 3. Hazards Identification

Inhalation:	May cause headache or nausea.
Eye:	May cause moderate eye irritation.
Skin:	Prolonged or repeated and confined exposure may cause skin irritation. Repeated contact may cause drying or flaking of skin.
Skin absorption health risks and symptoms of exposure:	A single prolonged exposure is not likely to result in the material being absorbed through the skin in a harmful amount. The dermal LD50 has not been determined.
Ingestion health risks and symptoms of exposure:	Swallowing can cause gastrointestinal irritation, nausea, and diarrhea.
Carcinogenicity:	This product is not considered to be a carcinogen but no studies have been done at this time.

### 4. First Aid Measures

Eyes: Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel if irritation persists.

Skin: Wash off in flowing water or shower. Remove contaminated clothing and wash before reuse.

Ingestion: Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Contact a doctor immediately.

Inhalation: Remove to fresh air.

### 5. Fire Fighting Measures

Slight fire hazard when exposed to heat or flame.  
Closed cup flash point: >93°C  
Not considered to be an explosion hazard.  
Extinguishing media: Class B; Foam or powder extinguisher.  
Special fire fighting procedure: Self-contained breathing apparatus with a full face piece operated in a pressure demand or other positive pressure mode.

### 6. Accidental Release Measures

Steps to be taken in case material is released or spilled (material should not be released into water system):  
Small spill: Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material and transfer to labeled containers.  
Large spill: Stop spill at source, dike area of spill to prevent spreading, pump liquid into salvage tank. Remaining liquid may be taken up on sand, clay, floor absorbent or other absorbent material and shoveled into labeled containers.

### 7. Handling and Storage

Precautions to be taken in handling and storing: Exercise reasonable care and caution. Store in a cool, dry place. Store in HDPE or glass.  
Other precautions: Containers of this material may be hazardous when emptied, since emptied containers retain product residues (vapor, liquid and/or solids), all hazard precautions given in the data sheet must be observed.

### 8. Exposure Control / Personal Protection

Respiratory Protection: A jointly approved NIOSH/MSHA air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified condition  
Ventilation: Provide general or mechanical ventilation or local exhaust to keep vapor concentrations

## 9. Physical and Chemical Properties

Physical state:	Liquid
Color:	Light yellow/amber
Odour:	Spicy, cumin, pepper and nutmeg notes with cedar effect
Odour threshold:	Not available
pH value:	Not available
Melting point:	Not available
Flash point:	>93C DIN 51758
Evaporation rate:	Not available
Flammability (solid/gas):	Not applicable
Explosion limits:	Not applicable
Refractive index:	1.513 - 1.52 at 20C
Relative Density:	1005 kg/m3 at 15°C
Solubility:	Poorly soluble in water at 20C
Partition coefficient:	Not available
Auto-ignition temp.:	Not available
Decomposition temp:	Not available

## 10. Stability and Reactivity

Stability:	Stable
Conditions to avoid:	Strong oxidizing agents or reducing agents, UV.
Incompatibility:	Not available
Hazardous decomposition or byproduct:	Not available
Hazardous polymerization:	Not available

## 11. Toxicological Information

Inhalation:	May cause headache or nausea.
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Ingestion health risks and symptoms of exposure:	Swallowing can cause gastrointestinal irritation, nausea, and diarrhea.
Carcinogenicity:	This product is not considered to be a carcinogen but no studies have been done at this time.

## Disclaimer

Notice: Although the information and recommendations set forth herein (Hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Forests Pacific Biochemicals, Corp. (dba "FORPAC BioSciences", "Northwest Aromatics") makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to the suitability for their purposes prior to use. In no event will Northwest Aromatics be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. No representations or warranties, either express or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers.

Note: Some people may have an allergenic reaction to cypress oil. Symptoms include shortness of breath, swelling of joints, hives, and severe headaches. Get medical attention if any of these symptoms occur.

## 12. Ecological Information

Ecotoxicity:	Not available
BOD5 and COD:	Not available
Products of biodegradation:	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the products of biodegradation:	Not available
Special remarks on the products of biodegradation	Not available

## 13. Disposal Considerations

Waste disposal method: Review federal, provincial and/or state and local government requirements prior to disposal.

## 14. Transport Information

DOT classification:	No classification
Identification:	No identification prescribed
Products of biodegradation:	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Special provisions for transport:	No DOT, ref 49CFR, 173.150
Tariff:	3805 Wood or sulphate turpentine and other terpenic oils produced by the distillation or other treatment of coniferous wood
NAFTA:	330129 Other essential oils; Made in Canada
Marine pollutant:	No

## 15. Regulatory Information

TSCA Compliant  
NDSL Compliant

## 16. Other Information

Caution! May cause irritation to skin, eyes and respiratory tract.

Health Rating:	1
Flammability Rating:	0
Reactivity Rating:	0
Contact Rating:	1