

**SECTION 1: IDENTIFICATION**

**Product Identifier**

**Product Form:** Mixture

**Product Name:** Teak Oil

**Product Code:** 816XX

**Intended Use of the Product**

Coating.

**SECTION 2: HAZARDS IDENTIFICATION**

**Classification of the Substance or Mixture**

**Classification (GHS-US)**

Flam. Liq. 4 H227

Skin Irrit. 2 H315

Carc. 1B H350

STOT RE 2 H373

Asp. Tox. 1 H304

**Label Elements**

**GHS-US Labeling**

**Hazard Pictograms (GHS-US)**



**Signal Word (GHS-US)**

: Danger

**Hazard Statements (GHS-US)**

: H227 - Combustible liquid  
 H304 - May be fatal if swallowed and enters airways  
 H315 - Causes skin irritation  
 H336 - May cause drowsiness or dizziness  
 H350 - May cause cancer  
 H373 - May cause damage to organs through prolonged or repeated exposure

**Precautionary Statements (GHS-US)**

: P201 - Obtain special instructions before use.  
 P202 - Do not handle until all safety precautions have been read and understood.  
 P210 - Keep away from heat, sparks, open flames, hot surfaces. - No smoking.  
 P260 - Do not breathe mist, spray, vapors.  
 P264 - Wash hands, forearms, and exposed areas thoroughly after handling.  
 P280 - Wear eye protection, face protection, protective gloves.  
 P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
 P302+P352 - IF ON SKIN: Wash with plenty of water.  
 P308+P313 - If exposed or concerned: Get medical advice/attention.  
 P314 - Get medical advice/attention if you feel unwell.  
 P321 - Specific treatment (see Section 4).  
 P331 - Do NOT induce vomiting.

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P332+P313 - If skin irritation occurs: Get medical advice/attention.

P362 - Take off contaminated clothing and wash before reuse.

P370+P378 - In case of fire: Use appropriate media to extinguish.

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulations.

### Other Hazards

Aquatic Acute 3 H402

Aquatic Chronic 3 H412

H402 - Harmful to aquatic life

H412 - Harmful to aquatic life with long lasting effects

P273 - Avoid release to the environment.

**Other Hazards:** Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

**Unknown Acute Toxicity (GHS-US)** Not available

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

### Substances

Name	Product identifier	% (w/w)	Classification (GHS-US)
Petroleum distillates, hydrotreated light	(CAS No) 64742-47-8	40 - 70	Flam. Liq. 4, H227 Asp. Tox. 1, H304 Aquatic Acute 2, H401
Distillates, petroleum, hydrotreated middle	(CAS No) 64742-46-7	10 - 24	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Carc. 1B, H350 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 3, H402 Aquatic Chronic 2, H411

Full text of H-phrases: see section 16

The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]. A range of concentration as prescribed by Controlled Products Regulations has been used where necessary, due to varying composition.

## **SECTION 4: FIRST AID MEASURES**

### Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. **IF SWALLOWED:** Immediately call a POISON CENTER or doctor/physician. If vomiting occurs have person lean forward so vomit is not inhaled/aspirated.

### Most Important Symptoms and Effects Both Acute and Delayed

**General:** Causes skin irritation. May cause cancer. Causes damage to organs. Aspiration hazard. May be fatal if swallowed and enters airways.

**Inhalation:** May cause respiratory irritation.

**Skin Contact:** Causes skin irritation.

**Eye Contact:** May cause slight irritation.

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**Ingestion:** Aspiration into the lungs can occur during ingestion or vomiting and may cause lung injury. May be fatal if swallowed and enters airways.

**Chronic Symptoms:** May cause cancer. May cause damage to organs.

### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## **SECTION 5: FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

**Suitable Extinguishing Media:** Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. A heavy water stream may spread burning liquid.

### **Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** Combustible liquid.

**Explosion Hazard:** May form flammable/explosive vapor-air mixture.

**Reactivity:** Reacts with strong oxidants causing fire and explosion hazard.

### **Advice for Firefighters**

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Do not breathe fumes from fires or vapors from decomposition. Use water spray or fog for cooling exposed containers. Do not allow run-off from fire fighting to enter drains or water sources. In case of major fire and large quantities:

Evacuate area. Fight fire remotely due to the risk of explosion.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>). May liberate toxic gases.

### **Reference to Other Sections**

Refer to section 9 for flammability properties.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** Use special care to avoid static electric charges. Keep away from open flames, hot surfaces and sources of ignition. No smoking. Avoid breathing (vapor, mist, spray). Use only outdoors or in a well-ventilated area.

#### **For Non-Emergency Personnel**

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### **For Emergency Personnel**

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel. Eliminate ignition sources. Stop leak if safe to do so. Ventilate area.

### **Environmental Precautions**

Prevent entry to sewers and public waters.

### **Methods and Material for Containment and Cleaning Up**

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clear up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as: saw dust or cellulosic material. Contact competent authorities after a spill.

### **Reference to Other Sections**

See heading 8, Exposure Controls and Personal Protection.

## **SECTION 7: HANDLING AND STORAGE**

### **Precautions for Safe Handling**

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Wash hands and forearms thoroughly after handling.

### **Conditions for Safe Storage, Including Any Incompatibilities**

**Technical Measures:** Ground/bond container and receiving equipment. Ensure all national/local regulations are observed.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Keep container closed when not in use. Keep in fireproof place. Store locked up.

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.

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**Specific End Use(s)** Coating.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control Parameters

Petroleum distillates, hydrotreated light (64742-47-8)		
British Columbia	OEL TWA (mg/m <sup>3</sup> )	200 mg/m <sup>3</sup> (application restricted to conditions in which there are negligible aerosol exposures)

#### Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Gas detectors should be used when flammable gases/vapours may be released. Ground/bond container and receiving equipment. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical goggles or safety glasses.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

**Consumer Exposure Controls:** Do not eat, drink, or smoke during use.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Light brown
Odor	: Characteristic
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: 149 °C (300.2 °F)
Flash Point	: 65 °C (149 °F)
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20 °C	: Not available
Specific Gravity/Relative density	: 0.8 mg/mL
Solubility	: Not soluble in water
Partition coefficient: n-octanol/water	: Not available
Viscosity	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact
Explosion Data – Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge

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### SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Reacts with strong oxidants causing fire and explosion hazard.

**Chemical Stability:** Combustible liquid. May form flammable/explosive vapor-air mixture.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.

**Hazardous Decomposition Products:** Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides. Aldehydes. Ketones. May release flammable gases.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Information on Toxicological Effects - Product

**Acute Toxicity:** Not classified.

**ID50 and LC50 Data:** Not available.

**Skin Corrosion/Irritation:** Causes skin irritation.

**Serious Eye Damage/Irritation:** Not classified.

**Respiratory or Skin Sensitization:** Not classified.

**Germ Cell Mutagenicity:** Not classified.

**Teratogenicity:** Not classified.

**Carcinogenicity:** May cause cancer.

**Specific Target Organ Toxicity (Repeated Exposure):** May cause damage to organs through prolonged or repeated exposure.

**Reproductive Toxicity:** Not classified.

**Specific Target Organ Toxicity (Single Exposure):** Not classified.

**Aspiration Hazard:** May be fatal if swallowed and enters airways.

**Symptoms/Injuries After Inhalation:** May cause respiratory irritation.

**Symptoms/Injuries After Skin Contact:** Causes skin irritation.

**Symptoms/Injuries After Eye Contact:** May cause slight irritation.

**Symptoms/Injuries After Ingestion:** Aspiration into the lungs can occur during ingestion or vomiting and may cause lung injury. May be fatal if swallowed and enters airways.

**Chronic Symptoms:** May cause cancer. May cause damage to organs.

#### Information on Toxicological Effects - Ingredient(s)

**ID50 and LC50 Data:**

<b>Distillates, petroleum, hydrotreated middle (64742-46-7)</b>	
LD50 Oral Rat	7400 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	4.6 mg/l/4h
ATE US (dust, mist)	4.60 mg/l/4h
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	> 5.2 mg/l/4h

### SECTION 12: ECOLOGICAL INFORMATION

#### Toxicity

**Ecology - General:** Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

<b>Distillates, petroleum, hydrotreated middle (64742-46-7)</b>	
LC50 Fish 1	35 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC 50 Fish 2	> 10000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
LC50 Fish 1	45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC 50 Fish 2	2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

#### Persistence and Degradability

<b>Teak Oil</b>	
Persistence and Degradability	Not established.

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### Bioaccumulative Potential

<b>Teak Oil</b>	
Bioaccumulative Potential	Not established.
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
BCF fish 1	61 - 159

**Mobility in Soil** Not available.

### Other Adverse Effects

**Other Information:** Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Additional Information:** Handle empty containers with care because residual vapors are flammable.

**Ecology – Waste Materials:** Hazardous waste due to toxicity.

## SECTION 14: TRANSPORT INFORMATION

In Accordance With ICAO/IATA/DOT/TDG/IMDG

### UN Number

DOT NA no. : NA1993

### UN Proper Shipping Name

Proper Shipping Name (DOT) : COMBUSTIBLE LIQUID, N.O.S. (Contains petroleum distillates hydrotreated light, petroleum distillates hydrotreated middle)

Transport Document Description (DOT) : NA1993 COMBUSTIBLE LIQUID, N.O.S. (CONTAINS PETROLEUM DISTILLATES HYDROTREATED LIGHT, PETROLEUM DISTILLATES HYDROTREATED MIDDLE), 3, III

### Transport Hazard Class(es)

Department Of Transportation (DOT) Hazard Classes : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

DOT Symbols : D - Proper shipping name for domestic use only, G - Identifies PSN requiring a technical name

Packing Group (DOT) : III - Minor Danger

DOT Special Provisions (49 CFR 172.102) : 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).

T1 - 1.5 178.274(d)(2) Normal..... 178.275(d)(2)

T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / (1 + a (tr - tf))$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

DOT Packaging Exceptions (49 Cfr 173.xxx) : 150

DOT Packaging Non Bulk (49 Cfr 173.xxx) : 203

DOT Packaging Bulk (49 Cfr 173.xxx) : 241

### Additional Information

Emergency Response Guide (ERG) Number : 128

Other Information : This product meets the limited quantity exceptions as follows: DOT: Not regulated as dangerous goods except when shipped in bulk. Otherwise, the above descriptions apply.

**Transport by sea** Not regulate for transport

**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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**Marine Pollutant** : No

### Air transport

**DOT Quantity Limitations Passenger Aircraft/Rail (49 CFR 173.27)** : 60 L

**DOT Quantity Limitations Cargo Aircraft Only (49 CFR 175.75)** : 220 L

## **SECTION 15: REGULATORY INFORMATION**

### US Federal Regulations

#### **Teak Oil**

**SARA Section 311/312 Hazard Classes**

Fire hazard  
Immediate (acute) health hazard  
Delayed (chronic) health hazard

#### **Distillates, petroleum, hydrotreated middle (64742-46-7)**

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

#### **Petroleum distillates, hydrotreated light (64742-47-8)**

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

**SARA Section 311/312 Hazard Classes**

Fire hazard  
Immediate (acute) health hazard

### US State Regulations

#### **Distillates, petroleum, hydrotreated middle (64742-46-7)**

U.S. - Texas - Effects Screening Levels - Long Term

U.S. - Texas - Effects Screening Levels - Short Term

#### **Petroleum distillates, hydrotreated light (64742-47-8)**

U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour

U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual

U.S. - Texas - Effects Screening Levels - Long Term

U.S. - Texas - Effects Screening Levels - Short Term

### Canadian Regulations

#### **Teak Oil**

**WHMIS Classification**

Class B Division 3 - Combustible Liquid  
Class D Division 2 Subdivision A - Very toxic material causing other toxic effects  
Class D Division 2 Subdivision B - Toxic material causing other toxic effects



#### **Distillates, petroleum, hydrotreated middle (64742-46-7)**

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

**WHMIS Classification**

Class D Division 2 Subdivision A - Very toxic material causing other toxic effects  
Class D Division 2 Subdivision B - Toxic material causing other toxic effects

#### **Petroleum distillates, hydrotreated light (64742-47-8)**

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

**WHMIS Classification**

Class B Division 3 - Combustible Liquid  
Class D Division 2 Subdivision B - Toxic material causing other toxic effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

## **SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

**Revision date** : 11/10/2015

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

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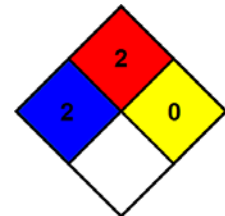
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### GHS Full Text Phrases:

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 1B	Carcinogenicity Category 1B
Flam. Liq. 4	Flammable liquids Category 4
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H332	Harmful if inhaled
H350	May cause cancer
H373	May cause damage to organs through prolonged or repeated exposure
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

- NFPA Health Hazard** : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
- NFPA Fire Hazard** : 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.
- NFPA Reactivity** : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

North America GHS US 2012 & WHMIS 2