

# SAFETY DATA SHEET

## TUNG OIL BLEND

Date: 16 October 2016

SDS-NZ



### 1. Identification of the Substance/Mixture and Supplier.

Product name:	TUNG OIL BLEND
Application:	Wood oil
Company:	SUPREME PAINTS LTD 19 Ford Road Onekawa Napier New Zealand.
Telephone:	06 650 5879
Emergency telephone:	021 389 669 (24 hrs)

### 2. Hazards Identification.

Hazardous Status: Classified as hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

HSNO CLASSIFICATION	GHS HAZARD STATEMENTS
3.1C	H226 Flammable liquid and vapour.
6.1D (oral)	H302 Harmful if swallowed.
6.1E (dermal)	H313 May be harmful in contact with skin.
6.3A	H315 Causes skin irritation.
6.4A	H319 Causes serious eye irritation.
6.5B	H317 May cause an allergic skin reaction.
9.1C	H412 Harmful to aquatic life with long lasting effects.

Signal Word: WARNING

#### PREVENTION STATEMENTS

P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing mist/vapours/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

#### RESPONSE STATEMENTS

P370 + P378	In case of fire: Use foam, carbon dioxide or dry chemical powder for extinction.
P101	If medical advice is needed, have product container or label at hand.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330	Rinse mouth.
P303 + P361	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin

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+ P353	with water/shower.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.

### STORAGE STATEMENTS

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

### DISPOSAL STATEMENTS

P501 Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information.

### GHS DIAMONDS



## 3. Composition/Information on Ingredients.

Chemical Entity	CAS Number	Proportion %w/w
Tung Oil	8001-20-5	30-60
Gum Turpentine	8006-64-2	30-60

## 4. First Aid Measures.

<b>Swallowed</b>	If swallowed do NOT induce vomiting. Give water to drink. Get medical attention if symptoms occur.
<b>Inhaled</b>	If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Obtain medical attention if symptoms occur.
<b>Eye Contact</b>	If splashed in the eyes, wash out immediately with water. Obtain medical attention if irritation occurs.
<b>Skin Contact</b>	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Get medical attention if symptoms occur.
<b>Further Information</b>	For advice contact the National Poisons Centre – 0800 POISON (0800 764 766) – or a doctor, immediately.

## 5. Fire-Fighting Measures.

<b>Suitable extinguishing media</b>	In case of fire, use water spray (fog), foam, dry chemical or CO2.
<b>Unsuitable extinguishing media</b>	High volume water jet.
<b>Hazards from the substance</b>	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous combustion products</b>	Decomposition products may include: Carbon oxides, other noxious products

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<b>Special precautions for fire-fighters</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire fighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### 6. Accidental Release Measures.

<b>Personal precautions</b>	Wear appropriate Personal Protective Equipment (see section 8). Provide adequate ventilation.
<b>Environmental precautions</b>	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
<b>Small spill</b>	Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.
<b>Large spill</b>	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

### 7. Handling and Storage.

<b>Handling</b>	Wear appropriate PPE, and ensure there is adequate ventilation and extraction in the work area. Avoid skin or eye contact, or breathing in the product. Follow precautions listed in section 2 for handling flammable liquids. <b>Note – any rags soaked with this product may self-combust.</b> Ensure they are soaked overnight in water before disposing.
<b>Storage</b>	Keep container dry and tightly closed, in a cool, well-ventilated area, away from direct sunlight.

### 8. Exposure Control/Personal Protection

<b>Exposure Standards</b>			
<b>Product/Ingredient</b>	<b>WES/TWA</b>	<b>WES/STEL</b>	<b>Reference</b>
Gum Turpentine	100 ppm/ 556 mg/m <sup>3</sup>	-	NZ WES

<b>Engineering Controls</b>	General ventilation and local exhaust should be suitable to keep vapour concentrations below WES/TWA. Ventilation equipment should be explosion-proof when operating in flammable zones.
<b>Personal Protection</b>	
Respiratory	Wear a vapour respirator.
Eyes	Wear chemical goggles/face protection.
Hands	Wear chemical gloves – PVC, Polychlorpropene or Nitrile.
Other	Wear overalls or dust coat.

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### 9. Physical and Chemical Properties

PROPERTY	SPECIFICATION
Physical state	Liquid
Colour	Translucent Light Brown
Odour	Pungent
pH	N/A
Boiling Pt (turpentine)	149-180 deg C
Flash Pt	39 deg C PMCC
Flammability/explosive limits	0.8 – 6.0 % by volume
Vapour pressure	Not available
Vapour density	Not available
Relative density	0.91
Solubility in water	Insoluble

### 10. Stability and Reactivity

<b>Stability</b>	The product is stable
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	Heat, flames, inorganic acids
<b>Incompatible materials</b>	Strong oxidisers.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### 11. Toxicological Information

<b>Health Effects</b> (based on HSNO classification)	
Swallowed	Harmful if swallowed
Skin	May be harmful in contact with skin. Causes skin irritation.
Eyes	Causes serious eye irritation.
Chronic or Other	May cause an allergic skin reaction.
<b>Calculated Toxicity Data</b>	
[Based on data from CCID (EPA-NZ)]	
LD50 Oral: 1000 mg/kg	
LD50 Dermal: 2200 mg/kg	
LC50 Vapour: 36 mg/L	

### 12. Ecological Information

This product is classified as Ecotoxic according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

H412 Harmful to aquatic life with long lasting effects.

<b>Ecotoxicity</b>	Calculated LC50/EC50	10-100 mg/L
Ecotoxic components:	Gum Turpentine	9.1C

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<b>Persistence &amp; Degradability</b>	No data available	
<b>Mobility</b>	No data available	
<b>Bioaccumulative Potential</b>	No data available	

### 13. Disposal Considerations.

Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information.

### 14. Transportation Information.

Regulated for transport	Keep separated from foodstuffs.
UN Number:	1263
Proper Shipping Name:	Paint
Class:	3
Packing Group:	III
Hazchem:	3Y
Marine Pollutant:	No



### 15. Regulatory Information.

#### HSNO Classification:

3.1C, 6.1D(o), 6.1E(d), 6.3A, 6.4A, 6.5B, 9.1C

#### Group Standard:

Surface Coatings and Colourants

HSR002662: Flammable

#### Controls for hazardous substances:

Level 2: MSDS required when any quantity is present in a workplace.

At least 2 x 4.5kg powder fire extinguishers required when 500L is present in a workplace.

Level 3: Emergency Response Plan and Secondary Containment required when >1000L is present in a workplace.

Flammable signage required when >1000L is stored.

Toxic signage required when >10,000L is stored.

Ecotoxic signage required when >1000L is stored.

Location and transit depot test certification required for quantities greater than: 500L (closed containers >5L), 1500L (closed containers up to 5L), 250L (open containers).

Hazardous atmosphere zone required for quantities greater than: 100L (closed containers), 25L (decanting), 5L (open occasionally), 1L (open containers in continuous use).

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Approved Handler: Not required.  
Tracking: Not required.

Any existing national regulations on the handling of dangerous substances should be observed. Controls for hazardous substances are based upon current knowledge. Where multiple chemicals are stored, controls will need to take into account aggregate quantities. Contact an EPA/WorkSafe approved test certifier for further information and guidance.

### 16. Other Information.

HMIS RATING	
HEALTH	*2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PPE	H

HMIS = Hazardous Materials Identification System  
HSNO = Hazardous Substances and New Organisms Act.  
EPA = Environmental Protection Authority  
NZ WES = New Zealand Work Exposure Standard

Date of Issue: 16.10.16

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.