

SAFETY DATA SHEET

TEAK OIL

Date: 21 October 2016

SDS-NZ



1. Identification of the Substance/Mixture and Supplier.

| | |
|----------------------|---|
| Product name: | TEAK OIL |
| 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. |
| 6.7B | H351 Suspected of causing cancer. |
| 9.1C | H412 Harmful to aquatic life with long lasting effects. |

Signal Word: WARNING

PREVENTION STATEMENTS

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| P102 | Keep out of reach of children. |
| P103 | Read label before use. |
| 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. |
| 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

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| 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. |

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| P301 + P312 | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. |
| P330 | Rinse mouth. |
| P303 + P361 + P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P363 | Wash contaminated clothing before reuse. |
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| 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. |
| P308 + P313 | IF exposed or concerned: Get medical advice/attention. |

STORAGE STATEMENTS

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| P403 + P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |

DISPOSAL STATEMENTS

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| 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. |
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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 |
| MEKO | 96-29-7 | <1 |
| Liquid Hydrocarbons | 64742-82-1 | <1 |

4. First Aid Measures.

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

5. Fire-Fighting Measures.

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

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| Personal precautions | Wear appropriate Personal Protective Equipment (see section 8). Provide adequate ventilation. |
| Environmental precautions | 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). |
| Small spill | 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. |
| Large spill | 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.

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| Handling | 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. Note – any rags soaked with this product may self-combust. Ensure they are soaked overnight in water before disposing. |
| Storage | Keep container dry and tightly closed, in a cool, well-ventilated area, away from direct sunlight. |

8. Exposure Control/Personal Protection

| | | | |
|-----------------------------|--|-----------------|------------------|
| Exposure Standards | | | |
| Product/Ingredient | WES/TWA | WES/STEL | Reference |
| Gum Turpentine | 100 ppm/ 556 mg/m ³ | - | NZ WES |
| Engineering Controls | 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. | | |

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| Personal Protection | |
|---------------------|--|
| 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. |

9. Physical and Chemical Properties

| PROPERTY | SPECIFICATION |
|-------------------------------|-----------------------|
| Physical state | Liquid |
| Colour | Yellow/Ochre |
| Odour | Pungent |
| pH | N/A |
| Boiling Pt (turpentine) | 149-180 deg C |
| Flash Pt | 40 deg C PMCC |
| Flammability/explosive limits | 0.8 – 6.0 % by volume |
| Vapour pressure | Not available |
| Vapour density | Not available |
| Relative density | 0.915 |
| Solubility in water | Insoluble |

10. Stability and Reactivity

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

11. Toxicological Information

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|--|---|
| Health Effects (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. Suspected of causing cancer. |
| Calculated Toxicity Data | |
| LD50 Oral: 921 mg/kg | |
| LD50 Dermal: 2018 mg/kg | |
| LC50 Inhalation (Vapour): 33.3 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.

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| Ecotoxicity | Calculated LC50/EC50 | 10-100 mg/L |
| Ecotoxic components: | Gum Turpentine | 9.1C |
| | MEKO | 9.1C |
| | Liquid Hydrocarbons | 9.1B |
| | | |
| Persistence & Degradability | No data available | |
| | | |
| Mobility | No data available | |
| | | |
| Bioaccumulative Potential | 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, 6.7B, 9.1C

Group Standard:

Surface Coatings and Colourants
HSR002669: Flammable, Toxic (6.7)

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.

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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).

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: 21.10.16

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.