



Safety Data Sheet

PROTECTIVE TUNG OIL - Natural

1. Identification

Product identifier: PROTECTIVE TUNG OIL - Natural
Product code: TOH-000
Supplier Name: SamaN
660 Rue du Filtre
Victoriaville, Québec
G6T 0T6
Telephone: 819 751-2350
Emergency telephone number: 819-751-2350
Available hours: 8h-17h

Recommended use: Protective coating
Restrictions on use: For indoor use only

2. Hazard identification

Hazard classification: DANGER

Product classification:



Self-heating substances and mixtures-Category 1.
Skin sensitization-Category 1.

Hazard statement(s): Self-heating; may catch fire. May cause an allergic skin reaction.

Precautionary statement(s)

Prevention: Keep cool. Wear protective gloves, protective clothing, eye and face protection. Avoid breathing mist, vapours, and spray. Contaminated work clothing should not be allowed out of the workplace.

Response: IF ON SKIN: Wash with plenty of water and soap. If skin irritation or a rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.



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Disposal: Maintain air gap between stacks/pallets. Store bulk masses greater than 450 kg/1000 lbs at temperatures not exceeding 25°C/77°F. Store away from other materials.

Storage: Dispose of contents/container in accordance with local, regional, national and/or international regulations in force.

Other hazards: No other effects shown.

See toxicological information, section 11

3. Composition/Information on ingredients

| No | CAS no | Common name and synonyms | Concentration (W/W) |
|----|------------|--|---------------------|
| 1 | 41556-26-7 | BIS(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate | 0.40% |
| 2 | 82919-37-7 | Methyl (1,2,2,6,6-pentamethyl-4-piperidiny) sebacate | 0.10% |

4. First-aid measures

If swallowed, irritation, any type of overexposure or symptoms of overexposure occur during use of the product or persists after use, immediately contact a POISON CENTER, an EMERGENCY ROOM or a PHYSICIAN; ensure that the product safety data sheet is available.

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an



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unconscious person. Get medical attention immediately.

Symptoms: Skin hypersensitivity. Diarrhea.

Effects (acute or delayed): May cause skin sensitization. Laxative effect, if ingested in large quantities.

Immediate medical attention and special treatment: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

Suitable extinguishing media: Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media: Jets of water can facilitate the spread of fire.

Specific hazards arising from the hazardous product: No specific hazard.

Hazardous combustion products: Carbon monoxide and dioxide. Nitrogen oxides.

Special protective equipment and precautions 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.



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6. Accidental release measures

Personal precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Protective equipment and emergency procedures: Avoid dispersal of spilled 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).

Methods and materials for containment and cleaning up: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosionproof equipment. Dispose of via a licensed waste disposal contractor.

7. Handling and storage

Precautions for safe handling: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for safe storage: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Incompatibility: Strong oxidizing agents. Chlorinated products. Oxidizers.



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8. Exposure controls/Personal protection

| No | CAS no | CAS name | IDHL mg/m3 | TWA mg/m3 | STEL mg/m3 | CEIL mg/m3 |
|----|------------|--|---------------|---------------|---------------|---------------|
| 1 | 41556-26-7 | BIS(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate | Not available | Not available | Not available | Not available |
| 2 | 82919-37-7 | Methyl (1,2,2,6,6-pentamethyl-4-piperidiny) sebacate | Not available | Not available | Not available | Not available |

IDHL: Immediately Dangerous to Life or Health Concentrations

TWA : Time Weighted Average

STEL: Short -Term Exposure Limit

CEIL: Ceiling Limit

IPVS = Inmediatamente peligroso para la vida o la salud

VEPP = Valor de exposición promedio ponderado

VECD = valor de exposición de corta duración

VL = valor límite

Appropriate engineering controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Individual protection measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eyes: DO NOT WEAR CONTACT LENSES Wear anti-splash safety goggles.

Hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties.

Respiratory: If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Others: Wear protective clothing with long sleeves and appropriate safety shoes at all times.



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9. Physical and chemical properties

Physical state: Liquid

Colour: Neutral

Odour: Characteristic odour

Odour threshold: Not available

pH: Not applicable

Melting/Freezing point: -19°C (-2.2°F)

Initial boiling point/boiling range: Not available

Flash point: 222°C (431.6°F) Close cup

Lower flammable/explosive limit: Not applicable

Upper flammable/explosive limit: Not applicable

Auto-ignition temperature: 343°C (649.4°F)

Evaporation rate: Not applicable

Vapour pressure: Not applicable

Vapour density: Not applicable

Relative density: 0,929 kg/L à 20 °C (water = 1)

Solubility in water: Insoluble

Partition coefficient - n-octanol/water: Not applicable

Decomposition temperature: Not available

Kinematic viscosity: 34,0 mm²/s (à 40 °C)

10. Stability and reactivity

Reactivity: It reacts strongly with oxidizing materials, to release gas and heat. The product is unstable in pure form.

Chemical stability: The product is chemically stable under normal conditions of use.

Possibility of hazardous reactions: May explode when heated. Materials such as rags used with this product may begin to burn by themselves.

Conditions to avoid: Keep away from sources of ignition, open flames and sparks, Do not pierce or burn, even after use.

Incompatible materials: None known.

Hazardous decomposition products: Carbon monoxide and dioxide. Nitrogen oxides.



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11. Toxicological information

| No | CAS no | CAS name | (1) LD oral | (2) LD skin | (3) LD skin | (4) LC gases | (5) LC vapours | (6) LC dusts-mist |
|----|------------|---|---------------|---------------|---------------|----------------|----------------|-------------------|
| 1 | 41556-26-7 | BIS(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate | Not available | Not available | Not available | Not applicable | >20,00 | >5,00 |
| 2 | 82919-37-7 | Methyl (1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate | Not available | Not available | Not available | Not applicable | >20,00 | >5,00 |

(1) LD₅₀ oral mg/kg

(2) LD₅₀ skin mg/kg

(3) LD₅₀ skin mg/kg

(4) LC₅₀ inhalation ppmV 4h gases

(5) LC₅₀ inhalation mg/l 4h vapours

(6) LC₅₀ inhalation mg/l 4h dusts-mist

Routes of exposure: This product is absorbed by the digestive tract.

Symptoms: Skin hypersensitivity. Diarrhea.

Delayed and immediate effects: May cause skin sensitization. Laxative effect, if ingested in large quantities.

| No | CAS no | CAS name | IARC | ACGIH | Mutagenicity | Effect on reproduction |
|----|------------|---|---------------|---------------|----------------|------------------------|
| 1 | 41556-26-7 | BIS(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate | Not available | Not available | Not available. | Not available. |
| 2 | 82919-37-7 | Methyl (1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate | Not available | Not available | Not available. | Not available. |

Cancer classification under IARC (International Agency for Research on Cancer)

Group 1: carcinogenic to humans.

Group 2A: probably carcinogenic to humans.

Group 2B: possibly carcinogenic to humans.

Group 3: not classifiable as to its carcinogenicity to humans.



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Group 4: probably not carcinogenic to humans.

Cancer classification under ACGIH (American Conference of Governmental Industrial Hygienists)

- Group A1: confirmed human carcinogen.
- Group A2: suspected human carcinogen.
- Group A3: confirmed animal carcinogen with unknown relevance to humans.
- Group A4: not classifiable as a human carcinogen.
- Group A5: not suspected as a human carcinogen.

12. Ecological information

| No | CAS no | CAS name | % | Persistent | Bio-accumulation | Aquatic ecotoxicity |
|----|------------|--|------|------------|------------------|---------------------|
| 1 | 41556-26-7 | BIS(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate | 0.40 | Yes | Yes | Yes |
| 2 | 82919-37-7 | Methyl (1,2,2,6,6-pentamethyl-4-piperidiny) sebacate | 0.10 | No | Yes | No |

| No | CAS no | CAS name | % | Ecotoxicity for aquatic organisms-Short term | Ecotoxicity for aquatic organisms-Long term | Environnemental effects |
|----|------------|--|------|--|---|---|
| 1 | 41556-26-7 | BIS(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate | 0.40 | Very toxic to aquatic life. | Very toxic to aquatic life with long lasting effects. | No known adverse effect to the environment. |
| 2 | 82919-37-7 | Methyl (1,2,2,6,6-pentamethyl-4-piperidiny) sebacate | 0.10 | Very toxic to aquatic life. | Very toxic to aquatic life with long lasting effects. | No known adverse effect to the environment. |

13. Disposal considerations

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.



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14. Transport information

| | TDG | DOT | IMDG | IATA |
|----------------------------|---------------|---------------|---------------|---------------|
| UN number | | | | |
| Proper shipping name | Not regulated | Not regulated | Not regulated | Not regulated |
| Transport hazard class(es) | | | | |
| Packing group | | | | |

Other information

Marine pollutant: No

IMDG: Not applicable

Exemption for limited quantity: Not applicable

Special precautions: Not applicable

Others exemptions: Not applicable

15. Regulatory information

Canada

| No | CAS | CAS name | % | DSL | NSL | NPRI |
|----|------------|---|------|-----|-----|------|
| 1 | 82919-37-7 | Methyl (1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate | 0.10 | X | | |
| 2 | 41556-26-7 | BIS(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate | 0.40 | X | | |

United-States

| No | No CAS | Nom CAS | % | TSCA | PROP-65 | Right to Know |
|----|------------|---|------|------|---------|---------------|
| 1 | 82919-37-7 | Methyl (1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate | 0.10 | X | | |
| 2 | 41556-26-7 | BIS(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate | 0.40 | X | | |

All ingredients are listed on the EINECS or in compliance with the inventory.

The customer is responsible for determining the PPE (personal protection equipment) code for this material.

The classification of the product and the SDS were developed in accordance with HPR.



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16. Other information

Date: 2017-12-12

Version: 1

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