

Safety Data Sheet

Revision Date 04.28.2015

Revision: 1

1 Identification of the substance/mixture and the company/undertaking

1.1 Product identifier

Trade name: **Tung Oil**

Article number: **A-238**

1.2 Application of the substance / the mixture: Flexible Potting

1.3 Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier:



Copps Industries, Inc.
10600 N. Industrial Drive
Mequon, WI 53092
Phone: (262) 238-1700

1.4 Emergency telephone number:

ChemTel Inc.
(800) 255-3924, +1 (813) 248-0585

2 Hazards identification

2.1 GHS Classification of the substance or mixture

Tung Oil is not classified as dangerous according to directive 67/548/EEC.

Tung Oil is not a dangerous substance according to GHS and has no known OSHA hazards.

HMIS Rating:

Health: 0
Flammability: 1
Physical Hazard: 0

3 Composition/information on ingredients

3.2 Mixture

Description: Substance listed below with nonhazardous additions possible.

Dangerous components:

CAS: 8001-20-5	Naturally occurring triglyceride ester containing various fatty acids.	60-100%
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4 First aid measures

4.1 Description of first aid measures

General: Remove contaminated clothing.

Inhalation: Not applicable as there is no appreciable vapour from Tung Oil at normal room temp.

Ingestion: If ingested give water or milk and seek medical advice.

Eye Contact: Flush with clean water or approved eye wash solution and seek medical advice.

Skin Contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or other recognized skin cleaner. Use protective hand cream if possible.

4.2 Most important symptoms and effects, both acute and delayed:

No relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed:

No relevant information available.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Foam, Fire-extinguishing powder, Carbon dioxide. Never use water as this may float the oil and spread fire.

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5.2 Special hazards arising from the substance or mixture: May be ignited only if preheated to temperatures above high flash point, for example in a fire.

5.3 Advice for the firefighters

Protective equipment: Special Protective Equipment Standard Fireman's Body Protection and self-contained breathing apparatus is recommended. Exposure Hazards Avoid breathing fumes and smoke which may irritate nasal passages. Wear fully protective suit.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: No health affects expected from clean-up. Contain spill with sand, earth or other inert absorbent.

7 Handling and storage

7.1 Precautions for safe handling: Handling: Avoid spills and keep away from sources of ignition. Storage: Keep containers closed and in dry area away from heat & light in tightly closed receptacles (60-80F recommended).

7.2 Conditions for safe storage, including any incompatibilities: No additional information.

8 Exposure controls/personal protection

8.1 Control parameters

Engineering measures: No special measures required

Control Parameters: None

Personal Protection: Usual, same as for handling chemicals

- Respiratory Equipment: None
- Hand Protection: Neoprene gloves
- Eye Protection Protective: Safety glasses
- Skin Protection: Chemical resistant gloves, long-sleeve shirts, pants

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance

Form:	Clear liquid
Colour:	Amber
Odour:	Slight odor of vegetable oil
Odour threshold:	No data available
pH:	No data available
Melting point/range:	No data available
Boiling point/range:	No data available
Flash point:	>392 °F / >200 °C
Evaporation rate:	No data available
Flammability (solid, gaseous):	Not applicable
Upper/lower flammability or explosive limit:	Not applicable
Vapor pressure:	No data available
Vapor density:	No data available
Relative Density at 20°C:	0.94 g/cm ³
Solubility in / Miscibility with Water:	Not miscible
Partition coefficient (n-octanol/water):	No data available
Auto/Self-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity	100 - 300 cps

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10 Stability and reactivity

10.1 Reactivity Normally considered stable

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: Keep from contact with oxidizing materials. Keep away from sources of ignition /flame.

10.3 Possibility of hazardous reactions: Keep from contact with oxidizing materials. Keep away from sources of ignition /flame

10.4 Conditions to avoid: Keep from contact with oxidizing materials. Keep away from sources of ignition /flame.

10.5 Incompatible materials: No data available.

10.6 Hazardous decomposition products: Over 250°C some decomposition may occur causing polymerization and a complex mixture of aldehydes, ketones and lactones predominantly acrolein.

11 Toxicological information

11.1 Information on likely routes of exposure: Not expected to be toxic but it is inedible.

12 Ecological information

12.1 Toxicity

Aquatic toxicity:

Degradability: Readily biodegradable

Fish Toxicity: No data available

Bacterial toxicity: No data available

13 Disposal considerations

13.1 Waste treatment methods Confine with sand or other inert media. Return to containers. Dispose in accordance with local, state and federal regulations. Air oxidation of material may cause it to spontaneously ignite. Spread oil rags to dry without contact with each other, or soak in water and then seal in closed container before disposal.

14 Transport information

DOT

UN number: Not Regulated

IATA

UN number: Not Regulated

IMDG

UN number: Not Regulated

TDG

UN number: Not Regulated

15 Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

United States (USA)

SARA

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

Component(s) above 'de minimus' level: None

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TSCA (Toxic Substances Control Act):
All the ingredients are listed.

Proposition 65 (California):

Chemicals known to cause cancer: None
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Canada

Canadian Domestic Substances List (DSL):
All ingredients are listed.
Canadian Ingredient Disclosure list (limit 0.1%)
None of the ingredients is listed.
Canadian Ingredient Disclosure list (limit 1%)
None of the ingredients is listed.

15.2 Chemical Safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviation and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienist.

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substance

CAS: Chemical Abstracts Service (division of the American Chemical Society)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

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