

Foreverest Resources Ltd

Tung Oil

Tung oil, also known as China Wood Oil, Lumbang oil, Noix d'abassin (fr.) or simply wood oil, is made from the seed kernels of the Tung tree (*Aleurites fordii* and *Aleurites montana*, family Euphorbiaceae). Tung oil was used as a preservative for wood ships. The oil penetrates the wood, then hardens to form an impermeable hydrophobic layer (repels water) up to 5 mm into the wood. As a preservative it is effective for exterior work above and below ground, but the thin layer makes it less useful in practice.

Substance Identification

Synonyms

CAS

N/A

EINECS

232-272-3

FEMA	N/A
HS.CODE	151590
Molecular Formula	N/A
Molecular Weight	N/A

Application & Uses

- used as a preservative for wood ships
- drying oil for wood finishing
- used as film forming material and modified the phenolic Resin

Features & Benefits

- accentuates the texture and grain of the wood
- easy to apply (rub on, rub off)
- easy to re-apply if the original finish becomes worn or damaged
- flexible. Oil finishes continue to protect as the wood expands and contract
- non-toxic and food-safe
- resistant to acetone
- resistant to alcohol
- resistant to fruit acids and vegetable acids
- very forgiving during application
- waterproof, at least highly water resistant on a well maintained surface

Sales Specification

ITEM	VALUE
Appearance	Transparent or slightly turbid liquid
Color, Gardner	8 max
Refractive Index, @ n20/D	1.517 to 1.552
Relative Density, @ d20/4	0.936 to 0.940
Iodine Value, WIJS, °	163 to 173
Saponification Value	190 to 195
Moisture & Impurities, %	0.3 max
Free Fatty Acid, %	4 max
Worstall's Heat Test, minutes	7.5 max
Beta Tung Oil Test	No crystalline precipitate

Package

- Galvanized Iron Drum, 190kg net each, 80 drums per 20' ft container
- [IBC Drum](#), 950l net each as client required

GHS Hazard Statements

H-Code	H303/319/402
P-Code	P264/273/280
Response	P305+P351+P338 P312 P337+P313
Storage	No data available
Disposal	P501
S-phrases: S24/25-S22 R-phrases: R22	

Storage

- containers which are opened must be carefully resealed and kept upright to prevent leakage
- keep container tightly closed in a dry and well-ventilated place
- store in cool place

Relation Products

- [Rosin Modified Phenolic Resin](#)
- [Glyceryl Rosinate \(Food\)](#)

Relation Articles

- [History of Tung Oil](#)
- [Preparation and Properties of Glycerin Ester of Tung Oil Modified Rosin](#)

Remark

The above information is believed to be accurate and presents the best explanation currently available to us. We assume no liability resulting from above content. The technical standards are formulated and revised by customers' requirement and us, if there are any changes, the latest specification will be executed and confirmed in the contract.