



# SAFETY DATA SHEET

## BENMATTE™ NATURAL TUNG OIL FINISH

Revised Date: 08-26-2015

Supersedes: 01-10-2001

### 1. Identification

**Product identifier** BenMatte™ Natural Tung Oil Finish  
**Other means of identification**  
**SDS number** 04  
**Synonyms** 13000  
**Recommended use** Not available.  
**Recommended restrictions** Not available.

#### Manufacturer/Importer/Supplier/Distributor information

**Manufacturer/Supplier** Daly's Wood Finishing Products,  
4522 S 133<sup>rd</sup> St,  
Tukwila, WA 98168.  
**General Assistance** (206) 244-8844, toll free: (800) 727-9694  
**E-Mail** info@dalyswoodfinishes.com  
**Contact Person** Not available.  
**Emergency Telephone** Chemtrec : 800-727-9694

### 2. Hazard(s) Identification

**Physical hazards** Flammable liquids Category 3  
**Health hazards** Skin corrosion/irritation Category 2  
Specific target organ toxicity, single exposure; Narcotic effects Category 3  
Aspiration hazard Category 1

#### Label elements



**Signal word** Danger

**Unknown Toxicity** 2 % of the mixture consists of ingredient(s) of unknown toxicity.

**Hazard statement** Flammable liquid and vapor. Causes skin irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.

#### Precautionary statement Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.



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### Response

Use only non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Wash skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse SKIN with water/shower. In case of fire: Use CO<sub>2</sub>, dry chemical, foam, water fog for extinction. IF ON SKIN: wash with plenty of soap and water. IF SKIN irritation occurs: Get medical advice/attention. IF INHALED: Remove person to fresh air and Keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

### Storage

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

### Hazard(s) not otherwise classified (HNOC)

None known.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	CAS number	%
Mineral spirits	64742-47-8	80
Linseed oil	8001-26-1	12

## 4. First-aid measures

### Inhalation

Move individual to fresh air. If breathing has stopped, apply artificial respiration, get medical attention immediately.

### Skin contact

Wash area with soap and water. If irritation persists, get medical attention.

### Eye contact

Wash with clean water for at least fifteen minutes; get medical attention.

### Ingestion

DO NOT INDUCE VOMITING. Give water or milk to drink; do not give baking soda or acid antidotes. Get medical attention.

### Most important symptoms/effects,

May cause redness, irritation of eyes. May cause dizziness,



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### acute and delayed

headache, nausea, possible nervous system depression. May cause nausea, gastrointestinal irritation, or vomiting. May cause rash, cracking, dryness or defatting of skin.

### Indication of immediate medical attention and special treatment needed

Keep victim warm and rested. Avoid any direct contact with the product. Never give anything by mouth to an unconscious person. Treat symptomatically.

### General information

If exposed or concerned: get medical attention/advice. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use.

## 5. Fire-fighting measures

### Suitable extinguishing media

CO<sub>2</sub>, dry chemical, foam, water fog.

### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

### Specific hazards arising from the chemical

None known.

### Special protective equipment and special firefighting procedures

Fight as a volatile fire; do not enter enclosed or confined fire spaces without proper protective equipment. This may include self-contained breathing apparatus.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors or mists. Remove all sources of ignition. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Evacuate personnel to safe areas. Take precautionary measures against static discharges.

### Environmental Precautions

Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

### Methods and materials for containment and cleaning up

Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to



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properly labeled containers. Clean contaminated surface thoroughly. For waste disposal, see section 13 of the SDS.

### 7. Handling and storage

#### Precautions for safe handling

Store away from high temperature, sparks, or open flame. Read and observe all precautions on product label.

#### Conditions for safe storage

Store in original container; keep tightly closed. Do not reuse container for other purposes. KEEP OUT OF REACH OF CHILDREN.

#### Incompatible materials

Avoid strong oxidizing agents.

### 8. Exposure controls/personal protection

#### Occupational exposure limits

##### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Components	Type	Value
Mineral spirit (Stoddard solvent)	TWA	500 ppm (2900 mg/m <sup>3</sup> )
Linseed oil (oil mist)	TWA	5 mg/m <sup>3</sup>

##### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Mineral spirit (Stoddard solvent)	TWA	500 ppm (2900 mg/m <sup>3</sup> )
Linseed oil (oil mist)	TWA	5 mg/m <sup>3</sup>

##### US. OSHA Table Z-2 (29 CFR 1910.1000)

None of the chemical in this product is listed.

##### US. OSHA Table Z-3 (29 CFR 1910.1000)

None of the chemical in this product is listed.

##### US. ACGIH Threshold Limit Values

Components	Type	Value
Mineral spirit (Stoddard solvent)	TWA	100 ppm
Linseed oil (oil mist)	TWA	5 mg/m <sup>3</sup>

##### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Mineral spirits (Stoddard solvent)	TWA	350 mg/m <sup>3</sup>
	Ceiling	1800 mg/m <sup>3</sup> [15-minute]



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Linseed oil (oil mist)

TWA

5 mg/m<sup>3</sup>, 10 mg/m<sup>3</sup>

### Appropriate engineering controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Wear safety goggles.

#### Skin protection

##### Hand protection

Wear gloves.

##### Other

Neoprene or rubber gloves. Eyewash station should be available; impervious protective clothing.

#### Respiratory protection

Wear NIOSH-approved respirator for organic vapors. Ensure workers are trained in their proper use

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

#### General hygiene considerations

Avoid contact with skin. Keep away from food and drink. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

### Appearance

Clear, amber liquid.

#### Physical state

Liquid.

#### Form

Liquid.

#### Color

Clear, amber liquid.

### Odor

Petroleum distillate odor.

### Odor threshold

Not available.

### pH

Not available.

### Melting point/freezing point

Not available.

### Initial boiling point and boiling range

300-405 °F

### Flash point

107 °F

### % Volatile by Volume

70%

### Evaporation rate (BuOAc=1)

0.13

### Maximum Volatile Organic Compound (V.O.C.)

550 g/l

### Flammability (solid, gas)

Flammable liquid and vapors.

### Upper/lower flammability or explosive limits

#### Flammability limit – lower (%)

Not available.

#### Flammability limit – upper (%)

Not available.



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<b>Explosive limit - lower (%)</b>	1.0
<b>Explosive limit - upper (%)</b>	6.0
<b>Vapor pressure (mm Hg)</b>	5mm Hg at 77 °F
<b>Vapor density (Air=1)</b>	4.9
<b>Relative density (Specific gravity)</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Insoluble.
<b>Solubility (other)</b>	Soluble in petroleum solvents.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.

### 10. Stability and reactivity

<b>Reactivity</b>	Hazardous reactions will not occur under normal conditions.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid</b>	Heat. Sparks. Overheating. Open flame.
<b>Incompatible materials</b>	Avoid strong oxidizing agents.
<b>Hazardous decomposition Products</b>	Usual products of combustion CO, CO <sub>2</sub> , possibly acrolein, and oxides of nitrogen.

### 11. Toxicological information

#### Information on likely routes of exposure

<b>Ingestion</b>	May cause nausea, gastrointestinal irritation, or vomiting.
<b>Inhalation</b>	May cause dizziness, headache, nausea, possible nervous system depression.
<b>Skin contact</b>	May cause rash, cracking, dryness or defatting of skin.
<b>Eye contact</b>	May cause redness, irritation.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	May cause redness, irritation of eyes. May cause dizziness, headache, nausea, possible nervous system depression. May cause nausea, gastrointestinal irritation, or vomiting. May cause rash, cracking, dryness or defatting of skin.
<b>Delayed and immediate effects and also chronic effects from short- and long-term exposure</b>	Not listed as a carcinogen by the NTP, IARC, or OSHA. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or



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fatal. Pre-existing lung or skin conditions could be aggravated by repeated exposure.

### Numerical measures of toxicity

#### Components

Mineral spirits (CAS 64742-47-8)

Test	Species	Test Results
Oral LD <sub>50</sub>	Rat	>5000 mg/kg
Dermal LD <sub>50</sub>	Rabbit	>2000 mg/kg
Inhalation LC <sub>50</sub>	Rat	> 5.28 mg/l,4h

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/eye irritation

No data available.

#### Respiratory or skin sensitization

##### Respiratory sensitization

No data available.

##### Skin sensitization

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Not a mutagen.

#### Carcinogenicity

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

#### Reproductive toxicity

No data available.

#### Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.

#### Specific target organ toxicity - repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

May be fatal if swallowed and enters airways.

## 12. Ecological information

### Numerical measures of toxicity

#### Components

Mineral spirits (CAS 64742-47-8)

Test	Species	Test Results
LC <sub>50</sub>	Bluegill ( <i>Lepomis macrochirus</i> )	2.2 mg/l, 96 Hours

#### Persistence and degradability

No information available.

#### Bioaccumulative potential

No information available.

#### Mobility in soil

No information available.

#### Other adverse effects

No information available.

## 13. Disposal considerations

### Disposal instructions

Rags and absorbent material should be immersed in water. Dispose of in accordance with all federal, state and local regulations.



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### Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse container for other purposes.

### 14. Transport information

#### DOT

<b>UN number</b>	UN 1263
<b>UN proper shipping name</b>	PAINT RELATED MATERIAL
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	3 - Flammable Liquid



<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

#### IATA

<b>UN number</b>	UN 1263
<b>UN proper shipping name</b>	Paint related material
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	3 - Flammable Liquid



<b>Packing group</b>	III
<b>Environmental hazards</b>	No
<b>ERG Code</b>	3L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before



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handling.

### IMDG

<b>UN number</b>	UN 1263
<b>UN proper shipping name</b>	PAINT RELATED MATERIAL
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	3 - Flammable Liquid



<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No
<b>EmS</b>	F-E, S-D
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not available.

### 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None of the chemical in this product is listed.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Mineral spirits (CAS64742-47-8)

Linseed oil (CAS8001-26-1)

**CERCLA Hazardous Substance List (40 CFR 302.4)**

None of the chemical in this product is listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

<b>Hazard categories</b>	Immediate Hazard	-	Yes
	Delayed Hazard	-	No
	Fire Hazard	-	Yes



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Pressure Hazard - No  
Reactivity Hazard - No

### SARA 302/304 Extremely hazardous substance

This product contains no chemicals subject to reporting.

**SARA 311/312 Hazardous chemical** Yes

### SARA 313 (TRI reporting)

This product contains no chemicals subject to reporting.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

None of the chemical in this product is listed.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

None of the chemical in this product is listed.

#### Safe Drinking Water Act (SDWA)

None of the chemical in this product is listed.

### US State regulations

#### US. New Jersey Worker and Community Right-to-Know Act

None of the chemical in this product is listed.

#### US. Pennsylvania Worker and Community Right-to-Know Law

Linseed oil (CAS 8001-26-1)

#### US. California Proposition 65

##### US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT):

None of the chemical in this product is listed.

### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non- Domestic Substances List (NDSL)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### 16. Other information, including date of preparation or last revision

**Issue date** 01-10-2001  
**Revision date** 08-26-2015



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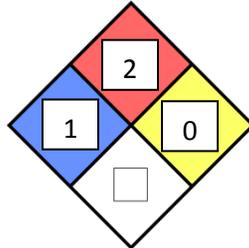
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**Version #**  
**NFPA rating**

01



**References**

ACGIH: Documentation of the Threshold Limit Values and Biological Exposure indices  
ECHA: European Chemicals Agency  
HSDB: Hazardous Substances Data Bank  
IARC: International Agency for Research on Cancer  
NIOSH: The National Institute for Occupational Safety and Health  
NTP: National Toxicology Program  
NLM: Hazardous Substances Data Base  
OECD : Organization for Economic Co-operation and Development  
OSHA: Occupational Safety and Health Administration

**Disclaimer**

The information, recommendations, and suggestions presented in this SDS are based upon test results and data believed to be reliable. The end user of the product has the responsibility for evaluating the adequacy of the data under the conditions of use, determining the safety, toxicity and suitability of the product under these conditions, and obtaining additional or clarifying information where uncertainty exists. No guarantee expressed or implied is made as to the effects of such use, the results to be obtained, or the safety and toxicity of the product in any specific application. Furthermore, the information herein is not represented as absolutely complete, since it is not practicable to provide all the scientific and study information in the format of this document, plus additional information may be necessary under exceptional conditions of use, or because of applicable laws or government regulations.