



# SAFETY DATA SHEET

## LOG OIL

Revised Date: 11-17-2015

Supersedes: 07-24-2001

### 1. Identification

<b>Product identifier</b>	Log Oil
<b>Other means of identification</b>	
<b>SDS number</b>	10
<b>Synonyms</b>	60400 Series
<b>Recommended use</b>	Not available.
<b>Recommended restrictions</b>	Not available.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Manufacturer/Supplier</b>	Daly's Wood Finishing Products 4522 S 133 <sup>rd</sup> Street Tukwila , Wa 98168
<b>General Assistance</b>	(206) 244-8844, toll free: (800) 727-9694
<b>E-Mail</b>	Not available.
<b>Contact Person</b>	Not available.
<b>Emergency Telephone</b>	Chemtrec: (800) 424-9300

### 2. Hazard(s) Identification

<b>Physical hazards</b>	Flammable liquids	Category 3
<b>Health hazards</b>	Skin corrosion/irritation	Category 2
	Sensitization, Skin	Category 1
	Reproductive toxicity	Category 2
	Specific target organ toxicity, single exposure; Narcotic effects	Category 3
	Specific target organ toxicity, repeated exposure	Category 2
	Aspiration hazard	Category 1

#### Label elements



#### Signal word

Danger

#### Unknown Toxicity

20.86 % of the mixture consists of ingredient(s) of unknown toxicity.

#### Hazard statement

Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May cause damage to organs (liver) through prolonged or repeated exposure. May be fatal if swallowed and enters airways.



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### 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. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the work place. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area.

#### Response

IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water/shower. In case of fire: Use CO2, 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. Take off contaminated clothing and wash it before reuse. IF exposed or concerned: 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 container tightly closed. Keep cool. 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

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Mineral spirits	64742-47-8	61
3-iodo-2-propynyl butyl carbanate	55406-53-6	<2
Xylene	1330-20-7	<1.5
Ethylbenzene	100-41-4	<0.1



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### 4. First-aid measures

<b>Inhalation</b>	Move individual to fresh air. If breathing has stopped, apply artificial respiration, get medical attention immediately.
<b>Skin contact</b>	Wash area with soap and water.
<b>Eye contact</b>	Wash with clean water for at least fifteen minutes; get medical attention.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Give water or milk to drink; get medical attention.
<b>Most important symptoms/effects, acute and delayed</b>	May cause redness, irritation of eye. Inhalation may cause dizziness, headache, nausea, possible nervous system depression. Ingestion may cause nausea, gastrointestinal irritation, or vomiting. When comes in contact with skin may cause rash, cracking, dryness or defatting of skin. Pre-existing lung or skin conditions could be aggravated by repeated exposure.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. In case of shortness of breath, give oxygen. Keep victim warm.
<b>General information</b>	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

<b>Suitable extinguishing media</b>	CO <sub>2</sub> , dry chemical, foam, water fog.
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	None known.
<b>Special protective equipment and Special firefighting procedures</b>	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

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not
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### Environmental Precautions Methods and materials for containment and cleaning up

breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Avoid discharge into drains, water courses or onto the ground. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Provide ventilation. Take precautionary measures against static discharge. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Stop the flow of material, if this is without risk. Soak up spill with absorbent material. Rags and absorbent material should be immersed in water. For waste disposal, see section 13 of the SDS.

## 7. Handling and storage

### Precautions for safe handling

Read and observe all precautions on label. Use only with adequate ventilation. Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

### Conditions for safe storage

KEEP OUT OF REACH OF CHILDREN. Store locked up. Store in original container; keep tightly closed and appropriately labeled. Do not reuse container for other purposes. Store away from incompatible materials. Store away from high temperature, sparks, or open flame.

### 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 spirits	PEL(TWA)	500 ppm
Oil mist (Linseed oil)	PEL(TWA)	5 mg/m <sup>3</sup>
Xylene	PEL(TWA)	100 ppm (435 mg/m <sup>3</sup> )
Ethylbenzene	PEL(TWA)	100 ppm

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

Components	Type	Value
Mineral spirits	TWA	500 ppm
Oil mist (Linseed oil)	TWA	5 mg/m <sup>3</sup>



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Xylene	TWA	100 ppm (435 mg/m <sup>3</sup> )
Ethylbenzene	TWA	100 ppm

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

None of the components in this product is listed.

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

None of the components in this product is listed.

### US. ACGIH Threshold Limit Values

Components	Type	Value
Mineral spirits	TLV(TWA)	100 ppm
Oil mist (Linseed oil)	TLV(TWA)	5 mg/m <sup>3</sup>
Xylene	TLV(TWA)	100 ppm
	TLV(ST)	150 ppm
Ethylbenzene	TLV(TWA)	20 ppm

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

Components	Type	Value
Mineral spirits	REL(TWA)	350 mg/m <sup>3</sup>
	REL(Ceiling)	1800 mg/m <sup>3</sup> (15-minute)
Oil mist (Linseed oil)	REL(TWA)	5 mg/m <sup>3</sup>
Xylene	REL (TWA)	100 ppm (435 mg/m <sup>3</sup> )
	REL(ST)	150 ppm (655 mg/m <sup>3</sup> )
Ethylbenzene	REL (TWA)	100 ppm
	REL(ST)	125 ppm

**Appropriate engineering controls** Provide adequate general and local exhaust ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

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

**Eye/face protection** Goggles or face shield, if eye contact is likely.

#### Skin protection

**Hand protection**

Wear neoprene or rubber gloves.

**Other**

Wear impervious protective clothing. Eyewash station should be available.

#### Respiratory protection

Wear a NIOSH approved respirator for organic vapors and ensure workers are trained in proper use. Provide adequate ventilation to keep vapor concentration below TLV.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

#### General hygiene considerations

Avoid contact with eyes. Avoid contact with skin. Keep away from food and drink. Keep work area clean and free from spills and leaks. Wash hands before breaks and immediately after handling the



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product. Provide eyewash station and safety shower. Handle in accordance with good industrial hygiene and safety practice.

### 9. Physical and chemical properties

<b>Appearance</b>	Amber liquid.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Amber.
<b>Odor</b>	Petroleum distillate odor.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point</b>	Not available.
<b>Freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	300-405 °F
<b>Flash point</b>	107 °F
<b>% Volatile by Volume</b>	70%
<b>Evaporation rate (BuOAc=1)</b>	0.13
<b>Maximum Volatile Organic Compound (V.O.C.)</b>	550 grams/liter max.
<b>Flammability (solid, liquid, gas)</b>	Flammable liquid and vapors.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%)</b>	Not available.
<b>Flammability limit – upper (%)</b>	Not available.
<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>	0.84
<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 recommended handling and storage conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid</b>	None known
<b>Incompatible materials</b>	Avoid strong oxidizing agents.



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**Hazardous decomposition Products** Usual products of combustion: CO, CO<sub>2</sub> possibly acrolein, and oxides of nitrogen.

### 11. Toxicological information

#### Information on likely routes of exposure

**Ingestion** May cause nausea, gastrointestinal irritation or vomiting.

**Inhalation** May cause dizziness, headache, nausea, possible nervous system depression.

**Skin contact** May cause rash, cracking, dryness or defatting of skin.

**Eye contact** May cause redness and irritation.

**Symptoms related to the physical, chemical and toxicological characteristics** May cause redness, irritation of eye. Inhalation may cause dizziness, headache, nausea, possible nervous system depression. Ingestion may cause nausea, gastrointestinal irritation, or vomiting. When comes in contact with skin may cause rash, cracking, dryness or defatting of skin.

**Delayed and immediate effects and also chronic effects from short- and long-term exposure** No adverse long term affects are known, when used in accordance with safe handling information (see section 8). Pre-existing lung or skin conditions could be aggravated by repeated exposure.

#### Numerical measures of toxicity

Components	Test	Species	Test Results
Mineral spirits (CAS 64742-47-8)	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
3-iodo-2-propynyl butyl carbonate (CAS 55406-53-6)	Oral LD <sub>50</sub>	Rat	1100 mg/kg
	Dermal LD <sub>50</sub>	Rabbit	>2000 mg/kg
	Inhalation LC <sub>50</sub>	Rat	0.68 mg/l
Xylene (CAS 1330-20-7)	Oral LD <sub>50</sub>	Rat	4300 mg/kg
	Dermal LD <sub>50</sub>	Rabbit	>1700 mg/kg
	Inhalation LC <sub>50</sub>	Rat	21.7 mg/l, 4h
Ethylbenzene (CAS 100-41-4)	Oral LD <sub>50</sub>	Rat	3500 mg/kg
	Dermal LD <sub>50</sub>	Rabbit	17,800 mg/kg
	Inhalation LC <sub>50</sub>	Rat	9.6 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** May cause an allergic skin reaction.

**Germ cell mutagenicity** No data available.

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

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Ethylbenzene 2B "Possibly carcinogenic to humans".





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<b>NTP Report on Carcinogen</b>	
Ethylbenzene	Not listed
<b>U.S OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	
Ethylbenzene	Not listed
<b>Reproductive toxicity</b>	Suspected of damaging fertility or the unborn child.
<b>Specific target organ toxicity - single exposure</b>	May cause drowsiness or dizziness.
<b>Specific target organ toxicity - repeated exposure</b>	May cause damage to organs (liver) through prolonged or repeated exposure.
<b>Aspiration hazard</b>	May be fatal if swallowed and enter the airways.

### 12. Ecological information

#### Numerical measures of toxicity

Components	Test	Species	Test Results
Mineral spirits (CAS 64742-47-8)	Fish LC <sub>50</sub>	Bluegill ( <i>Lepomis macrochirus</i> )	2.2 mg/l, 96h
		Rainbow trout ( <i>Oncorhynchus mykiss</i> )	0.067 mg/l, 96h
	NOEC	Fathead minnow ( <i>Pimephales promelas</i> )	0.0084 mg/l, 35d
		Water flea ( <i>Daphnia magna</i> )	0.16 mg/l, 48h
		Green algae ( <i>Scenedesmus subspicatus</i> )	0.026 mg/l, 72h
3-iodo-2-propynyl butyl carbonate (CAS 55406-53-6)	Fish LC <sub>50</sub>	Fathead minnow ( <i>Pimephales promelas</i> )	13.4 mg/l, 96h
		Water flea ( <i>Ceriodaphnia dubia</i> )	> 3.4 mg/l, 48h
	Algae EC <sub>50</sub>	Microalga ( <i>Selenastrum capricornutum</i> )	4.9 mg/l, 72h
Xylene (CAS 1330-20-7)	Fish LC <sub>50</sub>	Rainbow trout ( <i>Oncorhynchus mykiss</i> )	4.2 mg/l, 96h
		Water flea ( <i>Daphnia magna</i> )	1.81 mg/l, 48h
	Algae EC <sub>50</sub>	Microalga ( <i>Selenastrum capricornutum</i> )	4.6mg/l, 72h

<b>Persistence and degradability</b>	No information available.
<b>Bioaccumulative potential</b>	No information available.
<b>Mobility in soil</b>	No information available.
<b>Other adverse effects</b>	No information available.





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### 13. Disposal considerations

#### Disposal instructions

Dispose in accordance with all applicable federal, state and local regulations. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container; dispose of this material and its container in a safe way.

#### Hazardous waste code

##### US RCRA Hazardous Waste U List : Reference

Xylene (CAS 1330-20-7) U239

#### Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not reuse container for other purposes.

### 14. Transport information

#### DOT

UN number	1263
UN proper shipping name	PAINT RELATED MATERIAL
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3 - Flammable liquid



Packing group	III
Environmental hazards	
Marine pollutant	Yes
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

#### IATA

UN number	1263
UN proper shipping name	Paint related material
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3 - Flammable liquid



<b>Packing group</b>	III
<b>Environmental hazards</b>	Yes
<b>ERG Code</b>	3L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

### IMDG

<b>UN number</b>	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>	Yes
<b>EmS</b>	F-E, S-E
<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.
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### 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 chemicals in this product is regulated.

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

Mineral spirits (CAS 64742-47-8)

Oil mist (Linseed CAS 8001-26-1)



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Xylene (CAS 1330-20-7)

Ethylbenzene (CAS 100-41-4)

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

Xylene (CAS 1330-20-7)

Listed

Ethylbenzene (CAS 100-41-4)

Listed

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

#### Hazard categories

Immediate Hazard	-	Yes
Delayed Hazard	-	Yes
Fire Hazard	-	Yes
Pressure Hazard	-	No
Reactivity Hazard	-	No

### SARA 302/304 Extremely hazardous substance

None of the chemicals in this product is listed.

### SARA 311/312 Hazardous chemical

Yes

### SARA 313 (TRI reporting)

#### Chemical Name

#### CAS number

#### % by wt

3-Iodo-2-propynyl butyl  
carbamate

55406-53-6

<2

Xylene

1330-20-7

<1.5

Ethylbenzene

100-41-4

<0.1

### Other federal regulations

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

Xylene (CAS 1330-20-7)

Listed

Ethylbenzene (CAS 100-41-4)

Listed

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

None of the chemicals in this product is listed.

#### Safe Drinking Water Act (SDWA)

None of the chemicals in this product is listed.

### US State regulations

WARNING: This product contains chemicals known to the state of California to cause cancer.

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

3-Iodo-2-propynyl butyl carbamate (CAS 55406-53-6)

Xylene (CAS 1330-20-7)

Ethylbenzene (CAS 100-41-4)

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

Linseed oil (CAS 8001-26-1)

Xylene (CAS 1330-20-7)

Ethylbenzene (CAS 100-41-4)

#### US. California Proposition 65

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

Ethylbenzene (CAS 100-41-4)



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### International Inventories

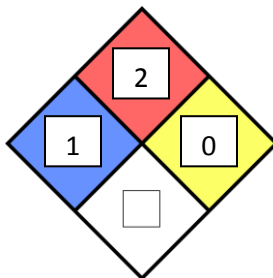
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non- Domestic Substances List (NDSL)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	Yes
United 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 07-24-2001  
Revision date 11-17-2015  
Version # 01  
NFPA rating



### 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



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### **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. All materials may present unknown hazards and should be used with caution.