



SAFETY DATA SHEET

DALY'S LEMOIL™

Revised Date: 11-17-2015

Supersedes: 10-25-2000

1. Identification

Product identifier	Daly's LemOil™
Other means of identification	
SDS number	02
Synonyms	14200
Recommended use	Not available.
Recommended restrictions	Not available.
Manufacturer/Importer/Supplier/Distributor information	
Manufacturer/Supplier	Daly's Wood Finishing Products 4522 S 133 rd Street Tukwila , Wa 98168
General Assistance	(206) 244-8844, toll free: (800) 727-9694
E-Mail	Not available.
Contact Person	Not available.
Emergency Telephone	Chemtrec: 800-424-9300

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, Aspiration hazard	Category 3
		Category 1

Label elements



Signal word Danger

Hazard statement Flammable liquid and vapor. Causes skin irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enter the 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. Use only non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Wash skin thoroughly after



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Response

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

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

Mixture

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Mineral spirits	64742-47-8	<92

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.

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; get medical attention.

Most important symptoms/effects, acute and delayed

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.

Indication of immediate medical

Provide general supportive measures and treat



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attention and special treatment needed

symptomatically. Keep victim under observation. Symptoms may be delayed. In case of shortness of breath, give oxygen. Keep victim warm.

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

CO₂, dry chemical, foam, water fog.

Unsuitable extinguishing media

None known.

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

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 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.

Environmental Precautions

Avoid discharge into drains, water courses or onto the ground.

Methods and materials for containment and cleaning up

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.



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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 high temperature, sparks, or open flame.

Incompatible materials

None known.

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

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

Components	Type	Value
Mineral spirits	TWA	500 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

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Mineral spirits	REL(TWA)	350 mg/m ³
	REL(Ceiling)	1800 mg/m ³ (15-minute)

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.



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Individual protection measures, such as personal protective equipment

Eye/face protection

Goggles or face shield.

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 product. Provide eyewash station and safety shower. 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.

Odor

Petroleum distillate odor.

Odor threshold

Not available.

pH

Not available.

Melting point

Not available.

Freezing point

Not available.

Initial boiling point and boiling range

300-405 °F

Flash point

107 °F

% Volatile by Volume

94 %

Evaporation rate (BuOAc=1)

0.13

Maximum Volatile Organic

725 grams/liter

Compound (V.O.C.)

Flammability (solid, liquid, gas)

Flammable liquid and vapors.

Upper/lower flammability or explosive limits

Flammability limit – lower (%)

Not available.

Flammability limit – upper (%)

Not available.

Explosive limit - lower (%)

1.0

Explosive limit - upper (%)

6.0

Vapor pressure (mm Hg)

5mm Hg at 77 °F

Vapor density (Air=1)

4.9

Relative density (Specific gravity)

0.79

Solubility(ies)

Solubility (water)

Insoluble.



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Solubility (other)	Soluble in petroleum solvents.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and reactivity

Reactivity	Hazardous reactions will not occur under normal conditions.
Chemical stability	Stable under recommended handling and storage conditions.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	None known.
Incompatible materials	None known.
Hazardous decomposition Products	Usual products of combustion: CO, CO ₂ 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 effects 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 ₅₀	Rat	>5000 mg/kg
	Dermal LD ₅₀	Rabbit	>2000 mg/kg
	Inhalation LC ₅₀	Rat	> 5.28 mg/l, 4h

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	No data available.
Respiratory or skin sensitization	



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Respiratory sensitization	No data available.
Skin sensitization	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	No data available.
Reproductive toxicity	No data available.
Specific target organ toxicity - single exposure	May cause drowsiness or dizziness.
Specific target organ toxicity - repeated exposure	No data available.
Aspiration hazard	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 ₅₀	Bluegill <i>(Lepomis macrochirus)</i>	2.2 mg/l, 96h

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	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.
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	UN 1263
UN proper shipping name	PAINT RELATED MATERIAL
Transport hazard class(es)	
Class	3
Subsidiary risk	-



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Label(s)

3 - Flammable liquid



Packing group

III

Environmental hazards

Marine pollutant

No

Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number

UN 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

No

ERG Code

3L

Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number

UN 1263

UN proper shipping name

PAINT RELATED MATERIAL

Transport hazard class(es)

Class

3

Subsidiary risk

-

Label(s)

3 - Flammable liquid



Packing group

III



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Environmental hazards

Marine pollutant

No

EmS

F-E, S-E

Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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 chemicals in this product is regulated.

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

Mineral spirits (CAS 64742-47-8) Listed

CERCLA Hazardous Substance List (40 CFR 302.4)

None of the chemicals in this product is listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard	-	Yes
	Delayed Hazard	-	No
	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)

None of the chemicals in this product is listed.

Other federal regulations

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

None of the chemicals in this product is 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

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

None of the chemicals in this product is listed.



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

None of the chemicals in this product is listed.

US. California Proposition 65

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

None of the chemicals in this product is listed.

International Inventories

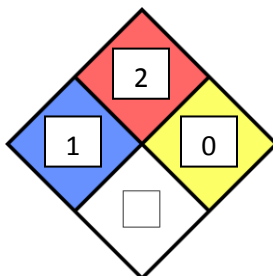
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non- Domestic Substances List (NDSL)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	Yes
United 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 10-25-2000
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.