



SAFETY DATA SHEET

WOOD BRIGHTENER

Revised Date: 12-17-2015

Supersedes: 10-27-2000

1. Identification

Product identifier	Wood Brightener
Other means of identification	
SDS number	14
Synonyms	16161
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	Not classified.	
Health hazards	Acute toxicity, oral	Category 4
	Acute toxicity, dermal	Category 4
	Skin corrosion/irritation	Category 1C
	Serious eye damage/eye irritation	Category 1

Label elements



Signal word	Danger.
Unknown Toxicity	85 % of the mixture consists of ingredient(s) of unknown toxicity.
Hazard statement	Harmful if swallowed. Harmful in contact with skin.. Causes severe skin burns and eye damage.
Precautionary statement	
Prevention	Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection.
Response	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED: Remove person to fresh air and Keep comfortable for



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Storage
Disposal

Hazard(s) not otherwise classified (HNOC)

breathing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse SKIN with water/or [shower]. Wash contaminated clothing before reuse. INHALED: Remove person to fresh air and Keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.
None known.

3. Composition/information on ingredients

Mixtures

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Oxalic Acid	144-62-7	<10
Dipropylene Glycol Monomethyl Ether	34590-94-8	5

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. Remove contaminated clothing and wash before re-use. If irritation persists, seek 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; get medical attention.
Most important symptoms/effects, acute and delayed	May cause severe irritation, chemical burns or conjunctivitis. Inhalation of vapors or mist may cause irritation of mucous membranes, nose, throat or lungs. Ingestion may cause May cause nausea, gastrointestinal irritation or vomiting. In sufficient doses, material can be fatal. May cause rash, redness or skin irritation. Pre-existing skin conditions could be aggravated by repeated exposure.
Indication of immediate medical attention and special treatment	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms



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needed

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

The product is non flammable.

Unsuitable extinguishing media

None known.

Specific hazards arising from the chemical

None known.

Special protective equipment and Special firefighting procedures

None known.

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
Methods and materials for containment and cleaning up**

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



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original container; keep tightly closed and appropriately labeled. Do not reuse container for other purposes.

Alkalai, oxidizing materials, chlorites, hypochlorites and silver.

Incompatible materials

Occupational exposure limits

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

Components	Type	Value
Oxalic Acid (CAS 144-62-7)	PEL (TWA)	1mg/m ³
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	PEL (TWA)	100ppm

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

Components	Type	Value
Oxalic Acid (CAS 144-62-7)	TWA	1mg/m ³
	TWA (ST)	2mg/m ³
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	TWA	100ppm
	TWA (ST)	150ppm

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

None of the components of this product are listed.

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

None of the components of this product are listed.

US. ACGIH Threshold Limit Values

Oxalic Acid (CAS 144-62-7)	TLV	1mg/m ³
	TLV (ST)	2mg/m ³
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	TLV	100ppm
	TLV (ST)	150ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Oxalic Acid (CAS 144-62-7)	REL (TWA)	1mg/m ³
	REL (ST)	2mg/m ³
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	REL (TWA)	100ppm

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.

Skin protection



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Hand protection	Wear rubber or plastic gloves.
Other	Wear impervious protective clothing. Eyewash station should be available.
Respiratory protection	None normally needed.
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	Green liquid.
Physical state	Liquid.
Form	Liquid.
Color	Green.
Odor	Odorless.
Odor threshold	Not available.
pH	Not available.
Melting point	Not available.
Freezing point	Not available.
Boiling range	212°F
Flash point	Not available.
% Volatile by Volume	94%
Evaporation rate (BuOAc=1)	As water.
Maximum Volatile Organic Compound (V.O.C.)	5% by weight.
Flammability (solid, liquid, gas)	Non flammable.
Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	Not available.
Flammability limit – upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure (mm Hg)	125mm Hg@100°F.
Vapor density (Air=1)	0.9
Relative density (Specific gravity)	1.05
Solubility(ies)	
Solubility (water)	Miscible in water.
Solubility (other)	Miscible in alcohol, acetone, some glycol ethers. Insoluble in petroleum solvents.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.



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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	None known.
Conditions to avoid	Extreme temperatures above 212 °F as vapors given off can be harmful.
Incompatible materials	Alkalai, oxidizing materials, chlorites, hypochlorites and silver.
Hazardous decomposition Products	None known.

11. Toxicological information

Information on likely routes of exposure

Ingestion May cause nausea, gastrointestinal irritation or vomiting. In sufficient doses, material can be fatal.

Inhalation Vapors or mist may cause irritation of mucous membranes, nose, throat or lungs.

Skin contact May cause rash, redness or skin irritation.

Eye contact May cause severe irritation, chemical burns or conjunctivitis.

Symptoms related to the physical, chemical and toxicological characteristics May cause redness of skin and severe irritation if eyes. Vapors or mist may cause irritation of mucous membranes, nose, throat or lungs. Ingestion may cause nausea, gastrointestinal irritation or vomiting.

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).

Numerical measures of toxicity

Components	Test	Species	Test Results
Oxalic Acid	Oral LD ₅₀	Rat	375 mg/kg
(CAS 144-62-7)	Dermal LD ₅₀	Rabbit	20000 mg/kg
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	Oral LD ₅₀	Rat	5000 mg/kg
	Dermal LD ₅₀	Rabbit	9500 mg/kg
	Inhalation LC ₅₀	Rat	495.14 ppm,4h

Skin corrosion/irritation Causes severe skin burns and eye damage.

Serious eye damage/eye irritation Causes serious eye damage.

Respiratory or skin sensitization
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 - No data available.



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single exposure
Specific target organ toxicity - repeated exposure No data available.
Aspiration hazard No data available.

12. Ecological information

Numerical measures of toxicity

Components	Test	Species	Test Results
Oxalic acid (CAS 144-62-7)	Crustacea EC ₅₀	Water flea (<i>Daphnia magna</i>)	136.9mg/l, 48 Hours
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	Fish LC ₅₀	Guppy (<i>Poecilia reticulata</i>)	1000 mg/l, 96 Hours
	Algae LC ₅₀	Green algae (<i>Selenastrum capricornutum</i>)	969 mg/l, 72 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 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	1760
UN proper shipping name	CORROSIVE LIQUID, N.O.S. (Oxalic acid)
Transport hazard class(es)	
Class	8
Subsidiary risk	-

<p>Label</p>	
<p>Packing group Environmental hazards Marine pollutant Special precautions for user</p>	<p>III Yes No Read safety instructions, SDS and emergency procedures before handling.</p>
<p>IATA</p>	
<p>UN number UN proper shipping name Transport hazard class(es) Class Label(s)</p>	<p>1760 CORROSIVE LIQUID, N.O.S. (Oxalic acid) 8</p>
<p>Packing group Environmental hazards ERG Code Special precautions for user</p>	<p>III Yes 8L Read safety instructions, SDS and emergency procedures before handling.</p>
<p>IMDG</p>	
<p>UN number UN proper shipping name Transport hazard class(es) Class Label(s)</p>	<p>1760 CORROSIVE LIQUID, N.O.S. (Oxalic acid) 8</p>
<p>Packing group Environmental hazards Marine pollutant EmS Special precautions for user</p>	<p>III Yes No F-A, S-B Read safety instructions, SDS and emergency procedures before handling.</p>
<p>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC</p>	<p>Not available.</p>



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Code

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 components if this product is listed.

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

Oxalic Acid (CAS 144-62-7) Listed.

Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

None of the components of this product are listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard	-	Yes
	Delayed Hazard	-	No
	Fire Hazard	-	No
	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 components of this product are listed.

Other federal regulations

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

None of the components of this product are 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

Oxalic Acid (CAS 144-62-7) Listed.

Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Listed.

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

Oxalic Acid (CAS 144-62-7) Listed.

Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Listed.

US. California Proposition 65

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



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None of the components in this product are listed.

International Inventories

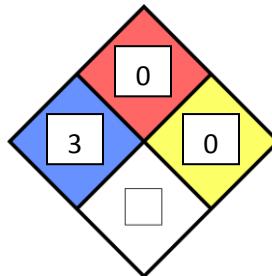
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non- Domestic Substances List (NDSL)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	Yes
United 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 10-27-2000
Revision date 12-17-2015
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
NLN: 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.