



SAFETY DATA SHEET

BLEACH SOLUTION "B"

Revised Date: 10-02-2023

Supersedes: 06-01-2019

1. Identification

Product identifier	Bleach Solution "B"
Other means of identification	
SDS number	01
Synonyms	17100
Recommended use	Not available.
Recommended restrictions	Not available.
Manufacturer/Importer/Supplier/Distributor information	
Manufacturer/Supplier	Daly's Wood Finishing Products, 4522 S 133 rd 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 : 800-424-9300

2. Hazard(s) Identification

Physical hazards	Oxidizing liquids	Category 1
Health hazards	Acute toxicity, oral	Category 4
	Acute toxicity, inhalation	Category 4
	Skin corrosion/irritation	Category 1A
	Serious eye damage/eye irritation	Category 1
	Specific target organ toxicity, single exposure; Respiratory tract irritation	Category 3

Label elements



Signal word

Danger

Hazard statement

May cause fire or explosion; strong oxidizer. Harmful if swallowed or if inhaled. Causes severe skin burns and eye damage. May cause respiratory irritation.

Precautionary statement

Prevention

Keep away from heat/sparks/open flames/hot surfaces — No



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Response

smoking. Keep away from clothing and other combustible materials. Wear protective gloves/protective clothing/eye protection/face protection. Wear fire resistant or flame retardant clothing. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray.

IF ON CLOTHING: Rinse Immediately contaminated CLOTHING and SKIN with plenty of water before removing clothes. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. In case of fire: Use water spray, Adapt fire-extinguishing measures to surroundings, Foam, dry powder, Carbon dioxide (CO₂) for extinction. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. IF ON SKIN: wash with plenty of soap and water. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water/or [shower]. IF INHALED: Remove person to fresh air and Keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Use only outdoors or in a well-ventilated area. Store separately. Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Storage

Disposal

Hazard(s) not otherwise classified (HNOC)

Dispose of contents/container in accordance with local/regional/national/international regulations.
None known.

3. Composition/information on ingredients

Mixture

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Hydrogen Peroxide	7722-84-1	30

4. First-aid measures

Inhalation

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



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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, acute and delayed

May cause redness, irritation or chemical burns. Vapors or mist may cause respiratory tract irritation. Harmful or fatal if swallowed. May cause chemical burns.

Indication of immediate medical attention and special treatment needed

Obtain medical assistance. Pre-existing skin conditions could be aggravated by repeated exposure.

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

Non flammable.

Unsuitable extinguishing media

Do not use a heavy water stream.

Specific hazards arising from the chemical

Strong oxidizer can initiate spontaneous combustion. Rapid oxygen evolution from decomposing Hydrogen Peroxide may increase intensity of a fire. Decomposition of product can cause oxygen enrichment of atmosphere, making it ignitable.

Special protective equipment and Special firefighting procedures

Wear protective clothing and self-contained breathing apparatus. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

6. Accidental release measures



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Personal precautions, protective equipment and emergency procedures

Product causes chemical burns. Evacuate personnel to safe areas. Keep out unprotected persons. Keep unauthorized persons away.

Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and materials for containment and cleaning up

In case of larger quantities: Collect product in suitable containers (e. g. made of plastic) using appropriate equipment (e. g. liquid pump). Keep away from flammable substances. Keep away from incompatible substances. Rinse away any residue with plenty of water. Dispose of absorbed material in accordance with the regulations. With small amounts: Dilute product with lots of water and rinse away or absorb with liquid-binding material, e. g.: diatomaceous earth or universal binder. Pick up mechanically. Collect in suitable containers. Clean contaminated surface thoroughly. Pack and label wastes like the pure substance. Do not detach label from the delivery containers prior to disposal. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Take any precaution to avoid mixing with Combustibles. Do not breathe mist, vapors, spray. Avoid contact during pregnancy/while nursing.

Conditions for safe storage

Store locked up. Store in original tightly closed container. Store away from incompatible materials. KEEP OUT OF REACH OF CHILDREN.

Incompatible materials

Heavy metals and their salts, reducing agents, strong oxidizers, alkalis and particular solids will cause decomposition.

8. Exposure controls/personal protection

Occupational exposure limits



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

Components	Type	Value
Hydrogen peroxide	PEL (TWA)	1 ppm (1.4 mg/m ³)

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

Components	Type	Value
Hydrogen peroxide	TWA	1 ppm (1.4 mg/m ³)

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
Hydrogen peroxide	TLV (TWA)	1 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Hydrogen peroxide	REL (TWA)	1 ppm (1.4 mg/m ³)

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 or face shield.

Skin protection

Hand protection

Rubber or plastic gloves.

Other

Plastic apron, in contact is likely. Eyewash station should be available.

Respiratory protection

Wear NIOSH-approved respirator for organic vapors.

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. 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.



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9. Physical and chemical properties

Appearance	Clear, water-white liquid.
Physical state	Liquid.
Form	Liquid.
Color	Clear, water-white.
Odor	Not available.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	222 °F
Flash point	Not applicable.
% Volatile by Volume	100%
Evaporation rate (BuOAc=1)	Less than water.
Maximum Volatile Organic Compound (V.O.C.)	None.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	Not applicable.
Flammability limit – upper (%)	Not applicable.
Explosive limit - lower (%)	Not applicable.
Explosive limit - upper (%)	Not applicable.
Vapor pressure (mm Hg)	23mm Hg at 86 °F
Vapor density (Air=1)	Not available.
Relative density (Specific gravity)	1.112
Solubility(ies)	
Solubility (water)	Soluble.
Solubility (other)	Completely soluble in alcohol.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and reactivity

Reactivity	Product is unstable. Thermal decomposition generates corrosive vapors.
Chemical stability	Unstable on exposure to light. May cause fire or explosion; strong oxidizer.
Possibility of hazardous reactions	Hazardous polymerization will not occur.



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Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Heat. Sparks. Overheating. Open flame.

Incompatible materials

Heavy metals and their salts, reducing agents, strong oxidizers, alkalis and particular solids will cause decomposition.

Hazardous decomposition Products

Oxygen, steam, peroxide vapor and heat.

11. Toxicological information

Information on likely routes of exposure

Ingestion

Harmful or fatal if swallowed.

Inhalation

Vapors or mist may cause respiratory tract irritation.

Skin contact

May cause chemical burns.

Eye contact

May cause redness, irritation or chemical burns.

Symptoms related to the physical, chemical and toxicological characteristics

May cause redness, irritation or chemical burns. Vapors or mist may cause respiratory tract irritation. Harmful or fatal if swallowed. May cause chemical burns.

Delayed and immediate effects and also chronic effects from short- and long-term exposure

Pre-existing skin conditions could be aggravated by repeated exposure. Long term over-exposure can result in dermatitis.

Numerical measures of toxicity

Components	Test	Species	Test Results
Hydrogen peroxide (CAS 7722-84-1)	Oral LD ₅₀	Rat	376 mg/kg
	Inhalation LC ₅₀	Rat	2 mg/l, 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

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 respiratory irritation.

Specific target organ toxicity - repeated exposure

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

Aspiration hazard

No data available.



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12. Ecological information

Numerical measures of toxicity

Components	Test	Species	Test Results
Hydrogen peroxide (CAS 7722-84-1)	LC ₅₀	Fathead minnow (<i>Pimephales promelas</i>)	16.4 mg/l , 96h
	EC ₅₀	Water flea (<i>Daphnia pulex</i>)	2.4 mg/l , 48h
	EC ₅₀	Algae (<i>Chlorella vulgaris</i>)	1.6-5 mg/l , 72h

Persistence and degradability	Rapidly degradable.
Bioaccumulative potential	Not established.
Mobility in soil	Not established.
Other adverse effects	Not established.

13. Disposal considerations

Disposal instructions	Diluted spills can be flushed down sewer. Dispose of in accordance with all applicable federal, state and local regulations.
Contaminated packaging	Rinse empty containers before disposal; recommended cleaning agent: water. Offer rinsed packaging material to local recycling facilities. Do not reuse empty containers. Dispose of containers that have not been emptied completely and/or cleaned like of substance.

14. Transport information

DOT

UN number	UN 2014
UN proper shipping name	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
Transport hazard class(es)	
Class	5.1
Subsidiary risk	8
Label(s)	5.1 - Oxidizer 8 - Corrosive



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Packing group
Environmental hazards
Marine pollutant
Special precautions for user

II

No

Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number
UN proper shipping name
Transport hazard class(es)
Class
Subsidiary risk
Label(s)

UN 2014

Hydrogen peroxide, aqueous solution

5.1

8

5.1 - Oxidizer

8 - Corrosive



Packing group
Environmental hazards
ERG Code
Special precautions for user

II

No

5C

Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number
UN proper shipping name
Transport hazard class(es)
Class
Subsidiary risk
Label(s)

UN 2014

HYDROGEN PEROXIDE, AQUEOUS SOLUTION

5.1

8

5.1 - Oxidizer

8 - Corrosive



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Packing group	II
Environmental hazards	
Marine pollutant	No
EmS	F-H, S-Q
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 chemical in this product is listed.

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

Hydrogen peroxide(CAS7722-84-1)

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)

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

SARA 302/304 Extremely hazardous substance

Hydrogen peroxide(CAS 7722-84-1)

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



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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

Hydrogen peroxide(CAS 7722-84-1)

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

Hydrogen peroxide(CAS 7722-84-1)

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 01-31-2001
Revision date 08-24-2015
Version # 01

NFPA rating

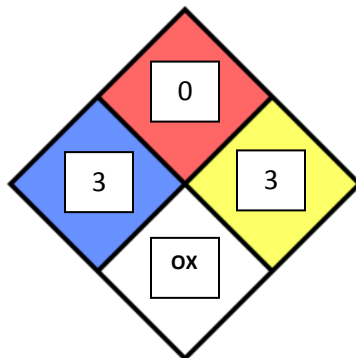


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References

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.