



# SAFETY DATA SHEET

## BLEACH SOLUTION "B"

Revised Date: 08-26-2015

Supersedes: 01-31-2001

### 1. Identification

|   |   |
|---|---|
| <b>Product identifier</b>                                     | Bleach Solution "B"   |
| <b>Other means of identification</b>                          |   |
| <b>SDS number</b>   | 01  |
| <b>Synonyms</b>   | 17100   |
| <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,<br>4522 S 133 <sup>rd</sup> St,<br>Tukwila, WA 98168. |
| <b>General Assistance</b>                                     | (206) 244-8844, toll free: (800) 727-9694   |
| <b>E-Mail</b>   | info@dalyswoodfinishes.com  |
| <b>Contact Person</b>   | Not available.  |
| <b>Emergency Telephone</b>                                    | Chemtrec : 800-424-9300   |

### 2. Hazard(s) Identification

|                         |   |             |
|-------------------------|---|-------------|
| <b>Physical hazards</b> | Oxidizing liquids   | Category 1  |
| <b>Health hazards</b>   | 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 (CO<sub>2</sub>) 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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|   |  |
|---|--|
| <b>Skin contact</b>   | Wash area with soap and water. If irritation persists, get medical attention.  |
| <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; do not give baking soda or acid antidotes. Get medical attention.   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | May cause redness, irritation or chemical burns. Vapors or mist may cause respiratory tract irritation. Harmful or fatal if swallowed. May cause chemical burns.   |
| <b>Indication of immediate medical attention and special treatment needed</b> | Obtain medical assistance. Pre-existing skin conditions could be aggravated by repeated exposure.  |
| <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>                                     | Non flammable.  |
| <b>Unsuitable extinguishing media</b>                                   | Do not use a heavy water stream.  |
| <b>Specific hazards arising from the chemical</b>                       | 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.   |
| <b>Special protective equipment and Special firefighting procedures</b> | 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 <sup>3</sup> ) |

### 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 <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 |
|-------------------|-----------|-------|
| 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 <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 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

|   |                                |
|---|--------------------------------|
| <b>Appearance</b>                                   | Clear, water-white liquid.     |
| <b>Physical state</b>                               | Liquid.                        |
| <b>Form</b>   | Liquid.                        |
| <b>Color</b>  | Clear, water-white.            |
| <b>Odor</b>   | Not available.                 |
| <b>Odor threshold</b>                               | Not available.                 |
| <b>pH</b>   | Not available.                 |
| <b>Melting point/freezing point</b>                 | Not available.                 |
| <b>Initial boiling point and boiling range</b>      | 222 °F                         |
| <b>Flash point</b>                                  | Not applicable.                |
| <b>% Volatile by Volume</b>                         | 100%                           |
| <b>Evaporation rate (BuOAc=1)</b>                   | Less than water.               |
| <b>Maximum Volatile Organic Compound (V.O.C.)</b>   | Not available.                 |
| <b>Flammability (solid, gas)</b>                    | Non-flammable.                 |
| <b>Upper/lower flammability or explosive limits</b> |                                |
| <b>Flammability limit – lower (%)</b>               | Not applicable.                |
| <b>Flammability limit – upper (%)</b>               | Not applicable.                |
| <b>Explosive limit - lower (%)</b>                  | Not applicable.                |
| <b>Explosive limit - upper (%)</b>                  | Not applicable.                |
| <b>Vapor pressure (mm Hg)</b>                       | 23mm Hg at 86 °F               |
| <b>Vapor density (Air=1)</b>                        | Not available.                 |
| <b>Relative density (Specific gravity)</b>          | 1.112                          |
| <b>Solubility(ies)</b>                              |                                |
| <b>Solubility (water)</b>                           | Soluble.                       |
| <b>Solubility (other)</b>                           | Completely soluble in alcohol. |
| <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>                         | Product is unstable. Thermal decomposition generates corrosive vapors.       |
| <b>Chemical stability</b>                 | Unstable on exposure to light. May cause fire or explosion; strong oxidizer. |
| <b>Possibility of hazardous reactions</b> | 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 <sub>50</sub>       | Rat     | 376 mg/kg    |
|                                   | Inhalation LC <sub>50</sub> | 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<br>(CAS 7722-84-1) | LC <sub>50</sub> | Fathead minnow<br>( <i>Pimephales promelas</i> ) | 16.4 mg/l , 96h  |
|                                      | EC <sub>50</sub> | Water flea<br>( <i>Daphnia pulex</i> )           | 2.4 mg/l , 48h   |
|                                      | EC <sub>50</sub> | Algae<br>( <i>Chlorella vulgaris</i> )           | 1.6-5 mg/l , 72h |

|                                      |                     |
|--------------------------------------|---------------------|
| <b>Persistence and degradability</b> | Rapidly degradable. |
| <b>Bioaccumulative potential</b>     | Not established.    |
| <b>Mobility in soil</b>              | Not established.    |
| <b>Other adverse effects</b>         | Not established.    |

### 13. Disposal considerations

|                               |  |
|-------------------------------|--|
| <b>Disposal instructions</b>  | Diluted spills can be flushed down sewer. Dispose of in accordance with all applicable federal, state and local regulations.   |
| <b>Contaminated packaging</b> | 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

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| <b>DOT</b>                        |                                     |
| <b>UN number</b>                  | UN 2014                             |
| <b>UN proper shipping name</b>    | HYDROGEN PEROXIDE, AQUEOUS SOLUTION |
| <b>Transport hazard class(es)</b> |                                     |
| <b>Class</b>                      | 5.1                                 |
| <b>Subsidiary risk</b>            | 8                                   |
| <b>Label(s)</b>                   | 5.1 - Oxidizer<br>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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|   |   |
|---|---|
| <b>Packing group</b>  | II  |
| <b>Environmental hazards</b>  |   |
| <b>Marine pollutant</b>   | No  |
| <b>EmS</b>  | F-H, S-Q  |
| <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)**

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)**

|                          |                   |   |     |
|--------------------------|-------------------|---|-----|
| <b>Hazard categories</b> | 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**

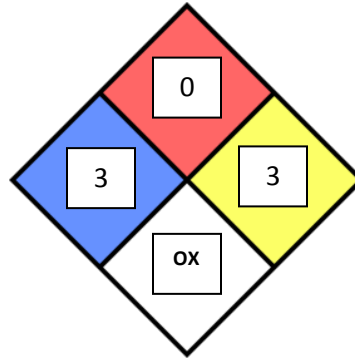


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### References

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.