1. Identification

1.1. Product identifier
Product Identity: WOODWISE White Oak Test Kit Reagent A
Alternate Names: White Oak Test Kit Reagent A

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended use: Test Kit is a water mixture containing Sodium Nitrite used to test Oak Boards to determine if White Oak is present.

1.3. Details of the supplier of the safety data sheet
Company Name: Design Hardwood Products, Inc.
15060 N.E. 95th St.
Redmond, WA 98052
Emergency Telephone No.: 425-869-0859 (during business hours)
Customer Service: Design Hardwood Products, Inc.
425-869-0859

2. Hazard(s) identification

2.1. Classification of the substance or mixture
Acute Tox. 4; H302 Harmful if swallowed.

2.2. Label elements
Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

Warning

H302 Harmful if swallowed.

[Prevention]:
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.

[Response]:
P301+312 IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell.
P330 Rinse mouth.

[Storage]:
No GHS storage statements
3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
<th>GHS Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium nitrite</td>
<td>10 - 25</td>
<td>Ox. Sol. 3;H272</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 7632-00-0</td>
<td></td>
<td>Acute Tox. 3;H301</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Aquatic Acute 1;H400</td>
<td></td>
</tr>
</tbody>
</table>

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

**General**
In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation**
Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Eyes**
Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

**Skin**
Wash with plenty of soap and water to remove all product residues. Remove contaminated clothing and wash before reuse. Get medical attention if irritation persists.

**Ingestion**
If conscious, give victim 2 to 4 glasses of water and induce vomiting by touching finger to back of throat. Continue until vomited fluid is clear. Get immediate medical assistance.

4.2. Most important symptoms and effects, both acute and delayed

**Overview**
Toxic if swallowed or inhaled. May cause irritation to skin, eyes, and respiratory tract.

**Potential Health Hazards**
Skin: Liquid or mist contact may cause irritation.
Eyes: Liquid or mist contact may cause irritation.
Inhalation: Inhalation of mists may cause irritation to respiratory tract. Mists are soluble and inhalation may result in toxic effects similar to ingestion.
Ingestion: Ingestion may irritate the gastrointestinal tract. Ingestion of large amounts of sodium nitrite can result in serious toxic effects including death. Sodium nitrite interferes with the blood’s ability to transport oxygen.

**Delayed Effects**
Sodium nitrite has no known delayed effects. (If sodium nitrite is used with amines found in certain cutting fluids, potentially carcinogenic nitrosamine compounds may be formed.)
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SDS Revision Date: 09/29/2015

Advice to Physician: Sodium nitrite forms methemoglobin in the blood stream. Treat accordingly.
See section 2 for further details.

Ingestion
Harmful if swallowed.

5. Fire-fighting measures

5.1. Extinguishing media
Use flooding amounts of water or other agents.
DO NOT use dry chemicals containing ammonium phosphate.

5.2. Special hazards arising from the substance or mixture
Hazardous decomposition: Oxides of nitrogen.

5.3. Advice for fire-fighters
Material does not burn but is an oxidizing agent and may support combustion of other materials. Product decomposes about 608°F releasing toxic nitrogen oxides.
Wear self-contained breathing apparatus.

ERG Guide No. 171

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions
Do not allow spills to enter drains or waterways.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up
Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or watercourses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

7. Handling and storage

7.1. Precautions for safe handling
Avoid contact with skin and eyes. Do not breathe product mists or dusts. Avoid contact with combustible materials.
and acids. See section 2 for further details.

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Acids, ammonium compounds, and reducing agents (particularly cyanides, thiocyanates and thiosulfates). May ignite organic compounds and other combustible materials.

Store in a cool, dry place. Keep container closed. Do not store on wooden floors. Isolate from combustible materials. See section 2 for further details.

7.3. Specific end use(s)

No data available.

---

8. Exposure controls and personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Exposure</th>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0007632-00-0</td>
<td>Sodium nitrite</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Carcinogen Data</th>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0007632-00-0</td>
<td>Sodium nitrite</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Respiratory

Use a NIOSH-approved respirator for spray mists or nitrogen oxide gases where required by atmospheric conditions.

Eyes

Wear safety goggles in any area where misty conditions may occur.

Skin

Wear long-sleeved shirt and pants. Impervious work aprons may be required for transfer of material from packages to processing equipment. Use impervious gloves (i.e. rubber) for routine handling.

Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices

Provide eye bath and safety shower. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.
9. Physical and chemical properties

- **Appearance**: Clear to Slightly Yellow Liquid
- **Odor**: Odorless
- **Odor threshold**: Not determined
- **pH**: 7.2 - 9.5 (1% solution/water)
- **Melting point / freezing point**: Not Applicable
- **Initial boiling point and boiling range**: Approximately 120°C
- **Flash Point**: Not Applicable
- **Evaporation rate (Ether = 1)**: Not Applicable
- **Flammability (solid, gas)**: Not Applicable
- **Upper/lower flammability or explosive limits**: Lower Explosive Limit: Not Applicable, Upper Explosive Limit: Not Applicable

- **Vapor pressure (Pa)**: Not Applicable
- **Vapor Density**: Not Applicable
- **Specific Gravity**: 1.3
- **Solubility in Water**: Complete
- **Partition coefficient n-octanol/water (Log Kow)**: Not Measured
- **Auto-ignition temperature**: Not Applicable
- **Decomposition temperature**: Decomposes about 608°F, releasing toxic nitrogen oxides
- **Viscosity (cSt)**: Not Measured
- **VOC Content**: None
- **Molecular Weight**: 69.0 for NaNO₂
- **Vatoliles (by weight)**: 85 - 95% (as Water)

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Normally stable. Avoid heating to dryness.

10.3. Possibility of hazardous reactions

Hazardous reactions may occur with acids, ammonium compounds, reducing agents (particularly cyanides, thiocyanates and thiosulfates).

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Acids, ammonium compounds, and reducing agents (particularly cyanides, thiocyanates and thiosulfates). May ignite organic compounds and other combustible materials.
10.6. Hazardous decomposition products
Oxides of nitrogen.

11. Toxicological information

Acute toxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50, mg/kg</th>
<th>Skin LD50, mg/kg</th>
<th>Inhalation Vapor LC50, mg/L/4hr</th>
<th>Inhalation Dust/Mist LC50, mg/L/4hr</th>
<th>Inhalation Gas LC50, ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium nitrite - (7632-00-0)</td>
<td>180.00, Rat - Category: 3</td>
<td>No data available</td>
<td>No data available</td>
<td>5.50, Rat - Category: NA</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
<th>Hazard Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>4</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

12. Ecological information

12.1. Toxicity
Toxic to aquatic life

Aquatic Ecotoxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>96 hr LC50 fish, mg/l</th>
<th>48 hr EC50 crustacea, mg/l</th>
<th>ErC50 algae, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium nitrite - (7632-00-0)</td>
<td>0.11, Oncorhynchus mykiss</td>
<td>12.50, Daphnia magna</td>
<td>159.00 (72 hr), Tetraselmis chuii</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
There is no data available on the preparation itself.
12.3. Bioaccumulative potential
Not Measured

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects
No data available.

13. Disposal considerations

13.1. Waste treatment methods
Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

<table>
<thead>
<tr>
<th>DOT (Domestic Surface Transportation)</th>
<th>IMO / IMDG (Ocean Transportation)</th>
<th>ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN3082</td>
<td>UN3082</td>
<td>UN3082</td>
</tr>
</tbody>
</table>

14.1. UN number

14.2. UN proper shipping name
UN3082, Environmentally hazardous substances, liquid, n.o.s., (Sodium Nitrite), 9, III

14.3. Transport hazard class(es)
DOT Hazard Class: 9
IMDG: 9
Sub Class: Not Applicable

Air Class: 9

14.4. Packing group
III
III
III

14.5. Environmental hazards
IMDG
Marine Pollutant: No

14.6. Special precautions for user
No further information

15. Regulatory information

Regulatory Overview
The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA)
All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification
Not Regulated

US EPA Tier II Hazards

<table>
<thead>
<tr>
<th>Fire</th>
<th>Sudden Release of Pressure</th>
<th>Reactive</th>
<th>Immediate (Acute)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Safety Data Sheet
WOODWISE White Oak Test Kit Reagent A

Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs (lbs):
  Sodium nitrite (100.00)

EPCRA 302 Extremely Hazardous:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:
  Sodium nitrite

Proposition 65 - Carcinogens (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):
  Sodium nitrite

Pennsylvania RTK Substances (>1%):
  Sodium nitrite

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H272 May intensify fire; oxidizer.
H301 Toxic if swallowed.
H400 Very toxic to aquatic life.

This Safety Data Sheet (SDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR. This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness. It’s the user’s responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses, which infringe valid patents, or as extending a license under valid patents. This SDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It’s the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

End of Document