Safety Data Sheet
WOODWISE White Oak Test Kit Reagent A

SDS Revision Date: **09/29/2015**

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

[Disposal]:
P501 Dispose of contents / container in accordance with local / national regulations.

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.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Sodium nitrite **CAS Number: 7632-00-0**	**10 - 25**	**Ox. Sol. 3;H272** **Acute Tox. 3;H301** **Aquatic Acute 1;H400**	**[1]**

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.
[2] Substance with a workplace exposure limit.
[3] PBT-substance or vPvB-substance.
*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.)

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. - [Prevention]:

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. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0007632-00-0	Sodium nitrite	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0007632-00-0	Sodium nitrite	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

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. - [Prevention]:

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 $NaNO_2$
Volatiles (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

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

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).

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

12. Ecological information

12.1. Toxicity

Toxic to aquatic life

Aquatic Ecotoxicity

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

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

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	UN3082	UN3082	UN3082
14.2. UN proper shipping name	UN3082, Environmentally hazardous substances, liquid, n.o.s., (Sodium Nitrite), 9, III	Environmentally hazardous substances, liquid, n.o.s., (Sodium Nitrite)	Environmentally hazardous substances, liquid, n.o.s., (Sodium Nitrite)
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	**Fire:** No
	Sudden Release of Pressure: No
	Reactive: No
	Immediate (Acute): Yes

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.

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