1. Identification

1.1. Product identifier
Product Identity: WOODWISE Hardwood Floor Cleaner

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended Use: Mild acid-based cleaner

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
Skin Irrit. 3;H316: Causes mild skin irritation. (Not adopted by US OSHA)
Eye Irrit. 2;H319: Causes serious eye irritation.

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

![Warning]

H316 Causes mild skin irritation.
H319 Causes serious eye irritation.

[Prevention]:
P264 Wash thoroughly after handling.
P280 Wear protective gloves / eye protection / face protection.

[Response]:
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P332+313 If skin irritation occurs: Get medical advice / attention.
P337+313 If eye irritation persists: Get medical advice / attention.

[Storage]:
### 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>Acetic acid <strong>CAS Number:</strong> 64-19-7</td>
<td>1 - 5</td>
<td>Flam. Liq. 3:H226</td>
<td>[1][2]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Skin Corr. 1B: H314: 25% ≤ C &lt; 90%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Eye Irrit. 2: H319: 10% ≤ C &lt; 25%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Skin Corr. 1A: H314: C ≥ 90%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Skin Irrit. 2: H315: 10% ≤ C &lt; 25%</td>
<td></td>
</tr>
<tr>
<td>C9-C11 Synthetic Alcohol, Ethoxylated <strong>CAS Number:</strong> 68439-46-3</td>
<td>1 - 5</td>
<td>Skin Irrit. 2;H315</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Eye Dam. 1;H318</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**
Flush eyes immediately with large amounts of water for at least 15 minutes. Remove contact lenses. Lifts eye lids during eye washing to increase rinsing of whole eye. If irritation persists, get prompt medical attention.

**Skin**
Flush skin immediately with large amounts of water for at least 15 minutes. Remove contaminated clothing. If skin irritation persists, get prompt medical attention.

**Ingestion**
If swallowed, drink 1-2 glasses of milk or water and call physician promptly. Never give anything my mouth to an unconscious person. Prevent aspiration of vomit.

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

**Overview**
This product is a water base cleaner for Hardwood Floors and is a clear amber to translucent liquid with citrus odor that can cause eye and skin irritation. This product should not present any unusual hazards when used as directed.

**Potential Health Effects Acute**
Skin Contact: May cause skin irritation
Eye Contact: May cause moderate to severe irritation
Ingestion: Harmful if swallowed
Inhalation: Inhalation is not considered harmful
Potential Health Effects Chronic
Prolonged or repeated contact with this product may aggravate pre-existing disorders with eyes and skin.

See section 2 for further details.

Eyes
Causes serious eye irritation.

Skin
Causes mild skin irritation.

5. Fire-fighting measures

5.1. Extinguishing media
Foam, CO₂, Dry Chemical, Water, Etc.

5.2. Special hazards arising from the substance or mixture
Hazardous decomposition: Incomplete combustion may form CO and noxious and toxic fumes.

5.3. Advice for fire-fighters
Full protective gear should be worn when fighting all fires involving chemicals.

ERG Guide No. ----

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

LAND SPILLS
For small spills, use absorbent materials such as towels or absorbent powders. Put all material in proper waste disposal container with lid tightly covered.
For large spills dam or dyke spills, recover free flowing liquid and use absorbent material to dry area. Rinse area with water. Industrial Vacuum pump may be effective to recover large spills. Reuse recovered product if possible.

WATER SPILLS
Remove product from water surface by skimming or with suitable absorbents. This product contains surfactants that will cause it to disperse in water. Check with local environmental regulatory agencies for reporting requirements.

7. Handling and storage
7.1. Precautions for safe handling
Eye wash stations should be readily available. Avoid contact with eyes. 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: Strong oxidizing materials
Ideal Storage Temperature is 50-90°F. Avoid temperatures above 120°F. Product will freeze. Take precautions to keep from freezing. Keep container closed when not in use. 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

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>000064-19-7</td>
<td>Acetic acid</td>
<td>OSHA</td>
<td>TWA 10 ppm (25 mg/m³)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TWA: 10 ppm STEL: 15 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>TWA 10 ppm (25 mg/m³) ST 15 ppm (37 mg/m³)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
<tr>
<td>0068439-46-3</td>
<td>C9-C11 Synthetic Alcohol, Ethoxylated</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
</tbody>
</table>

Carcinogen Data

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>000064-19-7</td>
<td>Acetic acid</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<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>
<tr>
<td>0068439-46-3</td>
<td>C9-C11 Synthetic Alcohol, Ethoxylated</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<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 Not required when used in properly ventilated areas.
Eyes Protective safety glasses recommended
Skin Protective gear including face shield, rubber boots & gloves, apron or rain gear should be worn depending on how and at what dilution rate the product is used. Use impermeable Neoprene or Nitrile gloves resistant to the product/substance/preparation.
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**
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** | Blue Liquid |
| **Odor** | Mild Citrus |
| **Odor threshold** | Not determined |
| **pH** | 4 +/- 0.5 @ 1% |
| **Melting point / freezing point** | Not Measured |
| **Initial boiling point and boiling range** | 212°F |
| **Flash Point** | Not Applicable |
| **Evaporation rate (Ether = 1)** | > 1 (Butyl Acetate = 1) |
| **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 Measured |
| **Vapor Density** | > 1 (Air = 1) |
| **Specific Gravity** | 1.03 (Water = 1) |
| **Solubility in Water** | Complete |
| **Partition coefficient n-octanol/water (Log Kow)** | Not Measured |
| **Auto-ignition temperature** | Not Measured |
| ** Decomposition temperature** | Not Measured |
| **Viscosity (cSt)** | Not Measured |
| **VOC Content** | < 5% |

**9.2. Other information**
No other relevant information.

### 10. Stability and reactivity

**10.1. Reactivity**
Hazardous Polymerization will not occur.

**10.2. Chemical stability**
Stable under normal circumstances.

**10.3. Possibility of hazardous reactions**
No data available.

**10.4. Conditions to avoid**
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>Acetic acid - (64-19-7)</td>
<td>3,310.00, Rat - Category: 5</td>
<td>1,112.00, No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>16,000.00, Rat - Category: NA</td>
</tr>
<tr>
<td>C9-C11 Synthetic Alcohol, Ethoxylated - (68439-46-3)</td>
<td>5,100.00, Rat - Category: NA</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</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).

Classification

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
<th>Hazard Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>---</td>
<td>Not Applicable</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>3</td>
<td>Causes mild skin irritation. (Not adopted by US OSHA)</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>2</td>
<td>Causes serious eye irritation.</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

No additional information provided for this product. See Section 3 for chemical specific data.
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>Acetic acid - (64-19-7)</td>
<td>79.00, Pimephales promelas</td>
<td>65.00, Daphnia magna</td>
<td>73.40 (96 hr), Navicula seminulum</td>
</tr>
<tr>
<td>C9-C11 Synthetic Alcohol, Ethoxylated - (68439-46-3)</td>
<td>8.50, Pimephales promelas</td>
<td>2.686, Daphnia magna</td>
<td>Not Available</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

14.1. UN number
Not Applicable

14.2. UN proper shipping name
Not Regulated

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

14.4. Packing group
Not Applicable

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
D2B

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):
- Acetic acid (5,000.00)

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

**Proposition 65 - Carcinogens (>0.0%):**
- Ethylene Oxide

**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%):**
- Ethylene Oxide

**Proposition 65 - Male Repro Toxins (>0.0%):**
- Ethylene Oxide

**New Jersey RTK Substances (>1%):**
- Acetic acid

**Pennsylvania RTK Substances (>1%):**
- Acetic acid

### 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:
- H226 Flammable liquid and vapor.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.

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