

SAFETY DATA SHEET

HARDWOOD | MAINTENANCE | PROTECT Z1 | XYZ

Hallmark Floors TrueMark® - Nu Oil® Protect - Z1

Date Issued: 1/1/2016

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SECTION 1: Identification of the substance/mixture and company identification

(HMIS Classification) Health:1 Flamability:0 Reactivity: 0 Protection: B

1.1 Product Identifier

Product Name

Z1-TrueMark-Nu Oil® Protect (1st of 2 components that make "Protect Z")

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Step Three/Z; of recoat process for Hallmark wood TrueMark polyurethane floors and as a conversion for wood from Nu Oil® finish to polyurethane. Ceramic- enhanced two component waterborne finish.

1.3 Details of the supplier of the safety data sheet

Company Name: Hallmark Floors Inc.
 Street Address: 2360 S. Archibald Ave.
 City, State, Zip: Ontario, CA 91764
 Phone: 909 947-7736
 FAX: 909 947-7776
 Web Address: www,hallmarkfloors.com
 Contact Person: Ronald Oliver

SECTION 2: Hazards Ingredients

2.1	Hazardous Ingredients (Specific)	Contents	Identification	Classification	Exposure Limits
	2-(2-Butoxyethoxy) ethanol	2.5-5 % (weight)	CAS no.: 112-34-5	Xi; R36 Eye Irrit. 2; H319	8-hour TWA: 10 ppm 8-hour TWA: 67,5 mg/m3 15 min.: 15 ppm 15 min.: 101,2 mg/m3

SECTION 3: Hazards Identification

3.1 Primary Routes of Entry:

Ingestion and Dermal

Emergency Overview:

Caution: Contains small amounts of Butyl Diglycol. Do not breathe vapors or spray mist. Use with adequate ventilation. Wear an appropriate, properly fitted respirator (NIOSH, OSHA approved) in areas where proper ventilation is compromised (TLV exceeded). Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container closed when not in use. Do not store below 32°F(O°C) or above 100°F(37.7°C). KEEP OUT OF REACH OF CHILDREN. Before using read all directions and material safety data sheet for Protect Z1 and Z2 Hardener.

Regulatory Data:

Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None.

This product contains the following chemical(s) which are known to the state of California to cause birth defects or other reproductive harm: None.

Potential Health Effects:

Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

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SECTION 3: Hazards Identification [contd]

- 3.1 [cont]** Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage.

Toxicity Info:

No ingredients in this product are listed by OSHA, NTP, IARC or California Prop 65 as a mutagen, teratogen, or carcinogen, or as having toxic effects on reproduction. Toxicology info is listed in section 10. Safe handling procedures are listed in section 6.

SECTION 4: FIRST AID MEASURES

4.1 Skin Contact

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use solvents or thinners.

Eye Contact

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 5 minutes, keeping eyelids open.

Inhalation

Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Flammable

No

Conditions to avoid?

High temperatures, oxidizing agents, strong alkalis, strong acids

Means of Extinction

Recommended: Alcohol-resistant foam, CO₂, powders, water spray/mist. Do not use water jet.

Flashpoint

(° C) and Method Closed cup: 105°C (221°F) [ASTM 6450]

Upper Flammable Limit (% by volume)

Upper : 9.4%-v/v

Lower Flammable Limit (% by volume)

Lower : 0.8%-v/v

Unusual Fire Explosion Hazards:

Closed containers may explode (due to the buildup of steam pressure)

when exposed to extreme heat

Explosion Data – Sensitivity to Impact

Not sensitive to impacts

Hazardous Combustion Products

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

Special Firefighting Procedures:

Water may be used to cool containers to prevent pressure build-up. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full face piece airline respirator.

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SECTION 6: SAFE HANDLING/USE INFORMATION and EXPOSURE CONTROL

6.1 Safe Handling and Use Information

RESPIRATORY PROTECTION

PRODUCT NOT INTENDED FOR SPRAY APPLICATIONS.

In areas where OSHA-PEL is exceeded, use a NIOSH- approved, properly fitted, air-purifying respirator with organic vapor cartridges.

VENTILATION

Use with adequate general and/or local ventilation to maintain exposure level below the OSHA-PEL.

PROTECTIVE GLOVES

Wear chemical-resistant gloves such as nitrile rubber

EYE PROTECTION

Use chemical splash goggles or OSHA-approved safety glasses. Have an eyewash station available.

OTHER PROTECTIVE EQUIPMENT

Wear impervious clothing to avoid repeated or prolonged skin exposure.

ADDITIONAL PRACTICES

Wash hands thoroughly after using product, before eating or using rest rooms.

Additional Handling and Storage Information Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapors in air and avoid vapor concentrations higher than the occupational exposure limits. In addition, the product should only be used in areas from which all open flames and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used. Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Avoid inhalation of dust from sanding.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Put on appropriate personal protective equipment. Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original one. Comply with the health and safety at work laws.

SECTION 7: SPILL OR LEAK PROCEDURE & SHIPPING INFO

7.1 IN CASE MATERIAL IS RELEASED OR SPILLED

Ventilate area. Remove with inert absorbent.

WASTE DISPOSAL

Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.

SHIPPING INFORMATION

Not regulated as a DOT hazardous material

SECTION 7: SPILL OR LEAK PROCEDURE & SHIPPING INFO

8.1 Physical State

Liquid

Dry content (%)

32

Flash Point

Closed cup: 105°C (221°F) [ASTM 6450]

Density

1 g/cm³

VOC Content

210 (g/L)

Solubility in Water

Miscible

Product Characteristics

Opaque, milky liquid with slight organic solvent odor.

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SECTION 9: REACTIVITY DATA

9.1 STABILITY

Stable

REACTIVITY WITH WATER

Not reactive with Water

HAZARDOUS DECOMPOSITION PRODUCTS

May include carbon monoxide, carbon dioxide, smoke and nitrogen oxides.

HAZARDOUS POLYMERIZATION

Only when exposed to extreme high temperatures

INCOMPATIBILITY

Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkali, strong acids

SECTION 10: TOXICOLOGY DATA

- 10.1** Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage.

SECTION 11: DISPOSAL CONSIDERATIONS

- 11.1** There is no data available on the preparation itself. Do not allow to enter drains or waterways. Dispose of according to all applicable federal, state and local regulations.

SECTION 12: TRANSPORT INFORMATION

- 12.1** Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. Refer to section 7.

SECTION 13: MISCELLANEOUS INFORMATION

- 13.1** The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local, state and federal regulations. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties. Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100°F or 38°C) environments. Keep product from freezing.

*****KEEP OUT OF THE REACH OF CHILDREN*****

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/E: Not Established

PEL: Permissible Exposure Limit is an exposure limit to an airborne contaminant in a workday set by OSHA

TLV: Threshold Limit Value is a Time-weighted average concentration for a normal 8-hour workday without adverse effect

The identities of ingredients are withheld as proprietary information.