

SAFETY DATA SHEET

HARDWOOD | MAINTENANCE | PRIME X | XYZ

Hallmark Floors TrueMark/Nu Oil® Prime X

Date Issued: 1/1/2016

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

SDS according to Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), Annex II-EU

1.1 Product Identifier

1.2 Relevant identified uses of the substance or mixture and uses advised against Use of the substance/preparation Step One/X; of recoat process for Hallmark wood TrueMar polyurethane floors and as a conversion for wood from Nu Oil® finish to polyurethane. Not for use as a Cleaning agent for finished floors.

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 identification

2.1 Classification of substance or mixture

2.2	Label Elements	% Weight	CAS Number	OSHA - PEL	ACGIH - TLV
	Hazardous Ingredients(Specific)				
	DIPROPYLENE GLYCOL	5-10%	34590-94-8	100PPM	100PPM
	MOMOMETHYL ETHER	5-10%	111-76-2	50PPM	25PPM

2.3 Other hazards

When spray applying see section 8.

SECTION 3: Composition/information on ingredients

3.1	Substance	Identification	Classification	Contents
	Diethylene glycol monobutyl ether	CAS no.: 112-34-5 EC no.: 203-961-6 Index no.: 603-096-00-8	Xi; R36 Eye Irrit. 2;H319; Eye Irrit. 2;H	5 < 10 %
	Synonyms: 2-(2-Butoxyethoxy) ethanol Dipropylene glycol monomethyl ether	CAS no.: 34590-94-8 EC no.: 252-104-2 Registration number:02-2119666108-35-0000		5 < 10 %

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SECTION 4: First Aid Measures

4.1 Description of first aid measures

General

Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person.

Inhalation

Use with adequate ventilation.

Skin

contact Remove/Take off immediately all contaminated clothing. IF ON SKIN: Wash with plenty of soap and water. Do NOT use solvents or thinners.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell.

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media Recommended extinguishing media: alcohol resistant foam, CO₂, powders, water spray. Do not use water jet.

5.2 Special hazards arising from the substance or mixture Fire and explosion hazards

Fire will produce dense black smoke. Decomposition products can be hazardous. At high temperatures create: Carbon monoxide (CO), carbon dioxide (CO₂), smoke, and nitrogen gases (NO_x).

5.3 Advice for firefighters Personal protective equipment

Wear respiratory protection.

5.4 Other Information

Eliminate all ignition sources if safe to do so. Do not allow run-off from firefighting to enter drains or water courses.

SECTION 6: Personal precautions, protective equipment and emergency procedures

6.1 General measures

See section 7 and 8.

Personal protection measures

In case of inadequate ventilation wear respiratory protection. Wear fire / flame resistant / retardant clothing. Use personal protective equipment as required. Wear cold insulating gloves / face shield / eye protection. Wear protective gloves / protective clothing / eye protection / face protection. Avoid breathing dust / fume / gas / mist / vapors / spray. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

6.2 Environmental precautions Environmental precautionary measures

Collect spillage. Avoid release to the environment. If the product contaminates lakes, rivers or sewers, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up Cleaning method

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents.

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SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Avoid spilling, skin- and eye contact. Avoid breathing dust / fume / gas / mist / vapors / spray.
Avoid breathing dust.

Protective Safety Measures

Smoking, eating and drinking should be prohibited in application area.
Remove contaminated clothing and protective gear before you get to an area where meals are taken.
Additional information For personal protection see Section 8.
Never use pressure to empty: container is not a pressure vessel.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Protect from sunlight. Store in a dry place.

Conditions To Avoid

Keep away from heat / sparks / open flames / hot surfaces. No smoking. Protect from sunlight. Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. Prevent unauthorized access.

Conditions for safe storage

Storage Temperature

Value: 5-25 Celsius / 40-80 Fahrenheit

7.3 Specific end use(s)

Recommendations

Do not handle until all safety precautions have been read and understood.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure limit values

Substance	Identification	Value	TWA Year
Diethylene glycol monobutyl ether	CAS no.: 112-34-5	8-hour TWA: 10 ppm	2011
	Index no.: 603-096-00-8	8-hour TWA: 67,5 mg/m ³	
	EC no.: 203-961-6	15 min.: 15 ppm ethanol	
	6 \Synonyms: 2-(2-Butoxyethoxy) ethanol	15 min.: 101,2 mg/m ³	
Dipropylene glycol monomethyl ether	CAS no.: 34590-94-8	8-hour TWA: 50 ppm	
	EC no.: 252-104-2	AFS 2011:18 (Sweden	
	Registration number: 02- 12/2011). Absorbed	12/2011). Absorbed through the skin	
	through 2119666108-35- 0000	8-hour TWA: 300 mg/ m ³ AFS 2011:18 (Sweden	
		12/2011). Absorbed through the skin 15 min.: 75 ppm AFS 2011:18 (Sweden 12/2011). Absorbed through the skin	

Technical measures to prevent exposure

Airborne gas and dust concentrations should be kept to a minimum and under the existing limits (see above). Possibly use an exhaust in case the air in the work room is not enough. Provide clearly visible signs of eye shower and emergency showers.

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SECTION 8: Exposure controls/personal protection [Cont]

- 8.1 [cont]** **Recommended type of equipment**
Recommended: A, Class 1 (low Capacity), brownSkin-/ hand protection, long termcontact See the manufacturer's instructions.
- Suitable gloves type**
Recommended: Nitrile
- Eye protection**
At the risk of splashing, close-fitting goggles or face shield.
- Specific hygiene measures**
The exposed area of the body should be washed at every pause when use the product, and after work. Wash always hands, forearms and face.
- Environmental exposure controls**
No special requirements.No special requirements. Exposure control comments Professionals are covered by safety legislation on maximum concentrations of exposure.
- 8.2** **Exposure controls**
- Precautionary measures to prevent exposure**
- Appropriate engineering controls**
Use with adequate ventilation. If possible this should be achieved by local extraction and good exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory equipment.
- Respiratory protection**
Respiratory protection with gas filter (brown A) must be used if air concentration exceeds acceptable level (OEL). Mask type When spraying, use half-or full face mask with filter P2 (Iib) to spray.
- Hand protection**
Wear cold insulating gloves / face shield / eye protection.
- Skin-/ hand protection, long term contact**
For prolonged or repeated contact use gloves made of butyl rubber.
- Suitable materials**
Barrier creams may help to protect the skin, but they should however not be used once exposure has occurred.
- Suitable Eye Protection**
Wear cold insulating gloves / face shield / eye protection.
- Skin protection (except hands)**
Wear fire / flame resistant / retardant clothing.Exposure controlsSafety measures for consumer useof the chemical
Read label before use.

SECTION 9: Physical and chemical properties

- 9.1** Information on basic physical and chemical properties
- | | |
|--|-----------------|
| Physical state | Liquid. |
| Odor | Faint. |
| Comments, Odor limit | Not applicable. |
| Comments, pH (as supplied) | Not determined. |
| Comments, pH (aqueous solution) | Not determined. |
| Comments, Melting point / meltingrange | Not determined. |
| Comments, Boiling point / boilingrange | Not determined. |
| Comments, Flash point | Not applicable. |
| Comments, Evaporation rate | Not determined. |

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SECTION 9: Physical and chemical properties

9.1	Flammability (solid, gas)	Not determined
	Comments, Explosion limit	Not explosive.
	Comments, Vapor pressure	Not determined.
	Comments, Vapor density	Not determined.
	Specific gravity Value:	1,0 g/ml
	Comments, Partition coefficient: n-octanol / water	Solubility in water. Unlimited. Test temperature: 23 °C
	Comments, Decomposition temperature	Not applicable.
	Comments, Viscosity	Not determined
	Explosive properties	Not determined. Does not affect the assessment.
	Oxidizing properties	Not explosive.
		Not Oxidizing

SECTION 10: Stability and reactivity

10.1	Reactivity
	Not reactive.
10.2	Stability
	Stable under recommended storage and handling conditions (see section 7).
10.3	Possibility of hazardous reactions
	Not dangerous if handled according to Technical Information.
10.4	Conditions to avoid
	Not applicable.
10.5	Materials to avoid
	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reaction.
10.6	Hazardous decomposition products
	When exposed to high temperature may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

SECTION 11: Toxicological information

11.1	Substance: Diethylene glycol monobutyl ether
	LD50 oral
	Value: 5660 mg/kg
	Animal test species: Rat
	LD50 dermal
	Value: 2700 mg/kg
	Animal test species: Rabbit
	Substance: Dipropylene glycol monomethyl ether
	LD50 oral
	Value: 5,5 mL/kg
	Animal test species: Rat
	LD50 dermal
	Value: 10 ml/kg
	Animal test species: Rabbit
	Comments
	Neurotoxic effects: This product contains solvents, which can have an effect on the nervous system. Symptoms of neurotoxicity may include: loss of appetite, headache, and dizziness. Ringing in the ears, tingling sensation of the skin, cold sensitivity, seizures, difficulty concentrating, tiredness, etc.. Repeated exposure to solvents can result in the degradation of the skin's natural layer of fat. The skin is then exposed to uptake of harmful substances, such as allergens

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SECTION 11: Toxicological information [cont]

11.1 [cont]

Potential acute effects

Inhalation

May cause drowsiness or dizziness.

May cause respiratory irritation.

Skin contact

No information is available.

Eye contact

No information available.

Ingestion Ingestion may cause nausea and vomiting.

Skin corrosion / irritation, other information

No information available.

Aspiration hazard, comments

When applying see section 8.

Eye damage or irritation other info If splashed in the eyes, the liquid may cause irritation and reversible damage.

Delayed effects / repeated exposure

General respiratory or skin sensitization

Prolonged or repeated contact may defat the skin, resulting in non-allergic contact eczema and absorption through the skin.

STOT-single exposure

No information available.

STOT-repeated exposure

No information available.

Carcinogenic, Mutagenic or Reprotoxic Carcinogenicity human experience

No information is available.

Germ Cell Mutagenicity, human experience

No information available.

Reproductive toxicity

No information available.

SECTION 12: Ecological Information

12.1

Toxicity

Toxicological data for substances

Substance: Diethylene glycol monobutyl ether

Acute aquatic, fish

Value: 2000 mg/L

Method of testing: LC50

Species: Inland silverside

Duration: 96h

Test reference: salt water

Acute aquatic, fish LCLo

Value: 1300 mg/L

Method of testing: LC50

Species: Bluegill *Lepomis macrochirus*

Duration: 96h

Test reference: Freshwater

Persistence and degradability description Dipropylene glycol monomethyl ether - Highly biodegradable.

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SECTION 12: Ecological Information [cont]

- 12.2 Bio accumulative potential**
Not Bio accumulative.
- Bio concentration factor (BCF)**
Value: 2,9Comments, BCF Log Pow: 0.6
- 12.3 Mobility in soil**
Mobility Not determined.
- 12.4 PBT assessment results**
Not classified as PBT / vPvB of current EU criteria.
- 12.5 Other adverse effects / Remarks**
None known.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods**
Specify the appropriate methods of disposal
Avoid release to the environment. Collect spillage. Wastes and empty containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.
- Product classified as hazardous**
No
- Waste**
EWC waste code EWC: 08 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS

SECTION 14: Transport information

- 14.1 UN number**Comments
Not dangerous goods. Transport in accordance with national law and ADR for road, RID for rail, IMDG for sea and ICAO / IATA for air. For complete information on transport, see transport document.
- 14.2 UN proper shipping name**
ADR ---
RID ---
IMDG ---
ICAO/IATA ---
- 14.3 Transport hazard class(es)**
- 14.4 Packing group**
- 14.5 Environmental hazards**
IMDG Marine pollutant
No
- 14.6 Special precautions for user**
- 14.7 Transport in bulk** according to Annex II of MARPOL 73/78 and the IBC Code

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Legislation and regulations

The labeling of the product according to EC directives 67/548/EEC, 1999/45/EC, see section 2

Classification and labeling of substances under Directive 67/548/EC,1999/45/EC, see section 3.

Classification and labeling of substances according to Regulation (EC)1272/2008 (CLP) is in section 3.

Safety data sheet is designed according to EU Commission Regulation No. 1907/2006.15.2.

Chemical safety assessment performed

No

SECTION 16: Other Information

List of relevant R-phrases (under headings 2 and 3).

R36 Irritating to eyes.

List of relevant H-phrases (Section 2 and 3).

H319 Causes serious eye irritation.

Version 1

Responsible for safety data sheet

Hallmark Floors Inc.

Comments

The information of this SDS is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfill the demand laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product : it is not to be considered as a guarantee of the products properties