

SAFETY DATA SHEET

VINYL | MAINTENANCE | SURFACE GUARDIAN - PRIME A | ABC

Hallmark Floors Surface Guardian Prime A

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

Date Issued: 1/1/2016

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

- 1.1 Product Name:**
Surface Guardian Prime A
Use/Class:
Floor covering
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Use of the substance/preparation
Step One/A; of recoat process for Hallmark Luxury Vinyl.
Not for use as a Cleaning agent for finished floors.
- 1.3 Company Information:**
Hallmark Floors Inc.
2360 S. Archibald Ave
Ontario CA 91761
Phone 888 551-0888

SECTION 2: Hazards identification

- 2.1**
- | Label Elements | % Weight | CAS Number | OSHA - PEL | ACGIH - TLV |
|---------------------------------|----------|----------------|------------|-------------|
| Hazardous Ingredients(Specific) | | | | |
| DIPROPYLENE GLYCOL | | 34590-94-8 | 100PPM | 100PPM |
| MOMOMETHYL ETHER | 5-10% | | | |
| DIPROPYLENE GLYCOL | | | | |
| MONOMETHYL ETHER | 5-10% | 111-76-250 PPM | 25PPM | |
- 2.2 Other hazards**
When spray applying see section 8.

SECTION 2: Hazards identification

- 3.1**
- | Mixtures | Identification | Classification | Contents |
|-------------------------------------|--|--|----------|
| Substance | CAS no.: 112-34-5 | Xi; R36 | 5 < 10 % |
| Diethylene glycol monobutyl ether | EC no.: 203-961-6
Index no.: 603-096-00-8
Synonyms: 2-(2-Butoxyethoxy) ethanol | Eye Irrit. 2;H319;
Eye Irrit. 2;H319; | |
| 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.

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 5: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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 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

Handling

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

Protective Safety Measures

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

Storage

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: 67,5 mg/m ³	2011
	EC no.: 203-961-6	8-hour TWA: 10 ppm	
	Index no.: 603-096-00-8	15 min.: 15 ppm	
	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 12/2011). Absorbed through the skin	
	Registration number: 02-2119666108-35-0000	15 min.: 450 mg/m ³ AFS 2011:18 (Sweden 12/2011). Absorbed through the skin	

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SECTION 8: Exposure controls/personal protection [cont]

8.1 Substance

[cont] Dipropylene glycol monomethyl ether

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.

Recommended type of equipment

Recommended: A, Class 1 (low Capacity), brown

Skin-/ hand protection, long term contact

Gloves, protective clothing.

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.

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 controls

Safety measures for consumer use of the chemical

Read label before use.

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SECTION 9: Exposure controls/personal protection

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 / melting range	Not determined.
Comments, Boiling point / boiling range	Not determined.
Comments, Flash point	Not applicable.
Comments, Evaporation rate	Not determined.
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
Solubility in water.	Unlimited. Test temperature: 23 °C
Comments, Partition coefficient: n-octanol / water	Not applicable.
Comments, Decomposition temperature	Not determined.
Comments, Viscosity	Not determined. Does not affect the assessment.
Explosive properties	Not explosive.
Oxidizing properties	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

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological data for substances

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.

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.

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SECTION 12: Ecological Information

12.1 Toxicity

Toxicological data for substances

Substance

Acute aquatic, fish

Diethylene glycol monobutyl ether

Value: 2000 mg/L

Method of testing: LC50

Species: Inland silverside

Duration: 96h

Test reference: salt water

Value: 1300 mg/L

Acute aquatic, fish LCLo

Method of testing: LC50

Species: Bluegill *Lepomis macrochirus*

Duration: 96h Test reference: Freshwater

12.2 Bio accumulative potential

Not Bio accumulative.

Bio concentration factor (BCF)

Value: 2,9

Comments, BCF

Log Pow: 0.6

12.3 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 N proper shipping name

ADR ---

RID ---

IMDG ---

ICAO/IATA ---

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SECTION 14: Transport information [Cont]

- 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

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.