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

Date Issued  1/1/2016
1.1.  Product Identifier
Product Name  Surface Guardian Prime A
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. 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
Hazardous Ingredients (Specific) % Weight   CAS Number   OSHA - PEL   ACGIH - TLV
DIPROPYLENE GLYCOL MONOMETHYL ETHER 5-10 % 34590-94-8 100 PPM 100 PPM

2.3. Other hazards
Other hazards  When spray applying see section 8.

SECTION 3: Composition/information on ingredients

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

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 6: 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 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.
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

<table>
<thead>
<tr>
<th>Substance</th>
<th>Identification</th>
<th>Value</th>
<th>TWA Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol monobutyl ether</td>
<td>CAS no.: 112-34-5</td>
<td>8-hour TWA: 67,5 mg/m3</td>
<td>2011</td>
</tr>
<tr>
<td></td>
<td>EC no.: 203-961-6</td>
<td>8-hour TWA: 10 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Index no.: 603-096-00-8</td>
<td>15 min.: 15 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Synonyms: 2-</td>
<td>15 min.: 101,2 mg/m3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(2-Butoxyethoxy)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ethanol</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>CAS no.: 34590-94-8</td>
<td>8-hour TWA: 50 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EC no.: 252-104-2</td>
<td>AFS 2011:18 (Sweden</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Registration number: 02-</td>
<td>12/2011). Absorbed through the skin</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2119666108-35-0000</td>
<td>8-hour TWA: 300 mg/m3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>AFS 2011:18 (Sweden</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>12/2011). Absorbed through the skin</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 min.: 75 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>AFS 2011:18 (Sweden</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>12/2011). Absorbed through the skin</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 min.: 450 mg/m3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>AFS 2011:18 (Sweden</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>12/2011). Absorbed through the skin</td>
<td></td>
</tr>
</tbody>
</table>
Substance
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.

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.

Suitable Eye Protection
Wear cold insulating gloves / face shield / eye protection.

Skin protection
Wear fire / flame resistant / retardant clothing.

Exposure controls
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 / melting range
Not determined.
<table>
<thead>
<tr>
<th>Property</th>
<th>Value/Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling point / boiling range</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Explosion limit</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>Value: 1.0 g/ml</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Unlimited. Test temperature: 23 °C</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>n-octanol / water</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not determined</td>
</tr>
<tr>
<td>Does not affect the assessment</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not Oxidizing</td>
</tr>
</tbody>
</table>

**SECTION 10: Stability and reactivity**

10.1. Reactivity
Reactivity Not reactive.

10.2. Chemical stability
Stability Stable under recommended storage and handling conditions (see section 7).

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions Not dangerous if handled according to Technical Information.

10.4. Conditions to avoid
Conditions to avoid Not applicable.

10.5. Incompatible materials
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
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. Information on toxicological effects
Toxicological data for substances

<table>
<thead>
<tr>
<th>Substance</th>
<th>LD50 oral Value</th>
<th>LD50 dermal Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol monobutyl ether</td>
<td>5660 mg/kg</td>
<td>2700 mg/kg</td>
</tr>
<tr>
<td>Animal test species: Rat</td>
<td></td>
<td>Animal test species: Rabbit</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td></td>
</tr>
</tbody>
</table>


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.
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 LCL0 Value: 1300 mg/L
Method of testing: LC50
Species: Bluegill Lepomis macrochirus
Duration: 96h Test reference: Freshwater

12.3. Bio accumulative potential
Bio accumulative potential Not Bio accumulative.
Bio concentration factor (BCF) Value: 2.9
Comments, BCF Log Pow: 0.6

12.4. Mobility in soil
Mobility Not determined.

12.5. Results of PBT and vPvB assessment
PBT assessment results Not classified as PBT / vPvB of current EU criteria.

12.6. Other adverse effects
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 Waste No

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
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

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.