Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier
Product Name: Vapor Shield Membrane

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified use(s): Construction

1.3 Details of the supplier of the safety data sheet
Manufacturer: Firestone Building Products Company
250 West 96th Street
Indianapolis, IN 46260
United States
genflexmsds@bfdp.com
Telephone (General): 800-428-4442

1.4 Emergency telephone number
Manufacturer: (800) 424-9300 - CHEMTREC
Manufacturer: (703) 527-3887 - CHEMTREC - International

Section 2: Hazards Identification

EU/EEC
According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture
CLP: Not classified
DSD/DPD: Not classified

2.2 Label Elements
CLP
Hazard statements: No label element(s) required

DSD/DPD
Risk phrases: No label element(s) required

2.3 Other Hazards
CLP: According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.
DSD/DPD: This product is not considered dangerous under the European Directive 1999/45/EC

United States (US)
According to OSHA 29 CFR 1910.1200 HCS
2.1 Classification of the substance or mixture
OSHA HCS 2012
- Not classified

2.2 Label elements
OSHA HCS 2012
  Hazard statements
- No label element(s) required

2.3 Other hazards
OSHA HCS 2012
- This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Canada
According to WHMIS

2.1 Classification of the substance or mixture
WHMIS
- Not classified

2.2 Label elements
WHMIS
- No label element(s) required

2.3 Other hazards
WHMIS
- In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

3.2 Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identifiers</th>
<th>%</th>
<th>LD50/LC50</th>
<th>Classifications According to Regulation/Directive</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nonhazardous Components</td>
<td>NDA</td>
<td>100%</td>
<td>NDA</td>
<td>EU DSD/DPD: None</td>
<td>NDA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>EU CLP: None</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OSHA HCS 2012: None</td>
<td></td>
</tr>
</tbody>
</table>

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, move person to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. Wash skin with soap and water. If signs/symptoms develop, get medical attention.
Eye

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If contact with material occurs flush eyes with water. If signs/symptoms develop, get medical attention.

Ingestion

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

---

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media

- Water, foam, dry chemical, carbon dioxide (CO2).

Unsuitable Extinguishing Media

- None known.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- Combustion of this product causes dense black smoke. Water may cause frothing.

Hazardous Combustion Products

- Carbon dioxide, carbon monoxide and partially burned carbon.

5.3 Advice for firefighters

- Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Structural firefighters’ protective clothing will only provide limited protection.

---

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

- No special precautions expected to be necessary if material is used under ordinary conditions and as recommended.

Emergency Procedures

- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended. Use normal clean up procedures.

6.2 Environmental precautions

- No special precautions necessary.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Pick up pieces and place in container or bag for disposal.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

---

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

- Use good safety and industrial hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities
Storage

- Keep away from heat, sparks and flame. Store in a clean, dry area in its original unopened packaging at temperatures of 50°F (10°C) – 140°F (60°C), so that it will be 50°F (10°C) or above at the time of application. Store in a well-ventilated place.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

---

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines

- No exposure limits/guidelines available for the material or the components.

8.2 Exposure controls

Engineering Measures/Controls

- Under normal conditions of use, special ventilation is not required.

Personal Protective Equipment

Respiratory

- No respiratory protection is required under normal conditions of use.

Eye/Face

- Under normal conditions of use, eye protection is not required.

Skin/Body

- No skin protection is ordinarily required under normal conditions of use.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

---

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Physical Form</th>
<th>Appearance/Description</th>
<th>General Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Solid</td>
<td>Black solid membrane with asphalt odor.</td>
<td>Boiling Point</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Decomposition Temperature</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Specific Gravity/Relative Density</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Viscosity</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Oxidizing Properties:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Volatility</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Flammability</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Environmental</td>
</tr>
</tbody>
</table>

9.2 Other Information

- No additional physical and chemical parameters noted.
Section 10: Stability and Reactivity

10.1 Reactivity
- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability
- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions
- Hazardous polymerization will not occur.

10.4 Conditions to avoid
- Keep away from heat, sparks, and flame.

10.5 Incompatible materials
- No data available.

10.6 Hazardous decomposition products
- No data available

Section 11 - Toxicological Information

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>GHS Properties</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>Skin corrosion/Irritation</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>STOT-RE</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>STOT-SE</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>Toxicity for Reproduction</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>Serious eye damage/Irritation</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
</tbody>
</table>

Route(s) of entry/exposure
- Inhalation, Skin, Eye, Ingestion

Potential Health Effects

Preparation Date: 25/March/2014
Revision Date: 25/March/2014
Inhalation
Acute (Immediate)  • Under normal conditions of use, no health effects are expected.
Chronic (Delayed)  • Under normal conditions of use, no health effects are expected.

Skin
Acute (Immediate)  • Under normal conditions of use, no health effects are expected.
Chronic (Delayed)  • Under normal conditions of use, no health effects are expected.

Eye
Acute (Immediate)  • Under normal conditions of use, no health effects are expected.
Chronic (Delayed)  • Under normal conditions of use, no health effects are expected.

Ingestion
Acute (Immediate)  • Under normal conditions of use, no health effects are expected.
Chronic (Delayed)  • Under normal conditions of use, no health effects are expected.

Section 12 - Ecological Information

12.1 Toxicity
• Material data lacking.

12.2 Persistence and degradability
• Material data lacking.

12.3 Bioaccumulative potential
• Material data lacking.

12.4 Mobility in Soil
• Material data lacking.

12.5 Results of PBT and vPvB assessment
• PBT and vPvB assessment has not been carried out.

12.6 Other adverse effects
• No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods
Product waste  • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Packaging waste  • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

<table>
<thead>
<tr>
<th>14.1 UN number</th>
<th>14.2 UN proper shipping name</th>
<th>14.3 Transport hazard class(es)</th>
<th>14.4 Packing group</th>
<th>14.5 Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>TDG</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
</tr>
</tbody>
</table>
14.6 Special precautions for user

- None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Not relevant.

**Section 15 - Regulatory Information**

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

**SARA Hazard Classifications**

- None

**Canada**

- **Labor**
  - Canada - WHMIS - Classifications of Substances
    - Not Listed
  - Canada - WHMIS - Ingredient Disclosure List
    - Not Listed

- **Environment**
  - Canada - CEPA - Priority Substances List
    - Not Listed

**China**

- **Other**
  - China - Annex I & II - Controlled Chemicals Lists
    - Not Listed

**Europe**

- **Other**
  - EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification
    - Not Listed
  - EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits
    - Not Listed
  - EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling
    - Not Listed
  - EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations
    - Not Listed
  - EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases
    - Not Listed
  - EU - Hazardous Substances Restricted or Prohibited in Electrical Equipment (2011/65/EU) (RoHS)
    - Not Listed
  - EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Other Ingredients
    - Not Listed
  - EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Perfume and Aromatic Materials
    - Not Listed

**Germany**

- **Labor**
  - Germany - Immission Control - Qualifying Quantities for Major Accident Prevention
<table>
<thead>
<tr>
<th>Environment</th>
<th>Germany - TA Luft - Types and Classes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Germany - TA Luft - Emission Limits for Carcinogenic Substances</td>
</tr>
<tr>
<td></td>
<td>Germany - TA Luft - Emission Limits for Fibers</td>
</tr>
<tr>
<td></td>
<td>Germany - TA Luft - Emission Limits for Inorganic Dusts</td>
</tr>
<tr>
<td></td>
<td>Germany - TA Luft - Emission Limits for Inorganic Gases</td>
</tr>
<tr>
<td></td>
<td>Germany - TA Luft - Emission Limits for Organic Substances</td>
</tr>
<tr>
<td></td>
<td>Germany - Water Classification (VwVwS) - Annex 1</td>
</tr>
<tr>
<td></td>
<td>Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes</td>
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<tr>
<td></td>
<td>Germany - Water Classification (VwVwS) - Annex 3</td>
</tr>
<tr>
<td>United States</td>
<td></td>
</tr>
<tr>
<td>Labor</td>
<td>U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals</td>
</tr>
<tr>
<td></td>
<td>U.S. - OSHA - Specifically Regulated Chemicals</td>
</tr>
<tr>
<td>Environment</td>
<td>U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants</td>
</tr>
<tr>
<td></td>
<td>U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities</td>
</tr>
<tr>
<td></td>
<td>U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities</td>
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<td></td>
<td>U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs</td>
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<td>U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs</td>
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<td>U.S. - CERCLA/SARA - Section 313 - Emission Reporting</td>
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<td>U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing</td>
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<tr>
<td>United States - California</td>
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<tr>
<td>Environment</td>
<td>U.S. - California - Proposition 65 - Carcinogens List</td>
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<td></td>
<td>U.S. - California - Proposition 65 - Developmental Toxicity</td>
</tr>
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<td></td>
<td>U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)</td>
</tr>
</tbody>
</table>
United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
Not Listed

15.2 Chemical Safety Assessment

● No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Last Revision Date: 25/March/2014
Preparation Date: 25/March/2014

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Key to abbreviations
NDA – No Data Available