Safety Data Sheet

GenFlex Roofing Systems

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

1.1 Product identifier
Product Name
● Separator Mat

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

Telephone (General)
Manufacturer ● (703) 527-3887 - CHEMTREC - International

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Section 2: Hazards Identification

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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 ● This material is exempt from CLP/REACH obligations as an article as specified in
REACH (1907/2006) and related ECHA guidance.

DSD/DPD ● Under European Directive 1999/45/EC these product(s) are exempt and considered
manufactured article(s) under stated normal conditions of use.

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United States (US)
According to OSHA 29 CFR 1910.1200 HCS
2.1 Classification of the substance or mixture

OSHAWHMIS
- Not classified

2.2 Label elements

OSHAWHMIS
- Hazard statements: No label elements(s) required

2.3 Other hazards

OSHAWHMIS
- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard) this product is exempt as an article under stated normal conditions of use.

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
- Under Canadian regulations (Workplace Hazardous Materials Information System (WHMIS) - Hazardous Products Act (HPA), Section 11(1)), these product(s) are exempt and considered manufactured article(s) under stated normal conditions of use.

2.4 Other information

- This material, as an article, does not legally require an SDS.

See Section 12 for Ecological Information.

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>Composition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Name</td>
</tr>
<tr>
<td>Nonhazardous Components</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

See Section 11 for Toxicological Information.

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
- Does not present any special fire or explosive hazards.

Hazardous Combustion Products
- Upon reaching temperatures of combustion, produces corrosive and/or toxic fumes.

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
● Store in a cool, dry, 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
● 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>Solid</th>
<th>Appearance/Description</th>
<th>Black solid with slight rubber odor.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Form</td>
<td>Black</td>
<td>Odor</td>
<td>Slight rubber odor.</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Data lacking</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| General Properties                    |       |                        |                                     |
|---------------------------------------|-------|------------------------|                                     |
| Boiling Point                         | Not relevant | Melting Point          | Data lacking                        |
| Decomposition Temperature             | Data lacking | pH                     | Not relevant                        |
| Specific Gravity/Relative Density     | > 1 Water=1 | Water Solubility       | Negligible < 0.1 %                  |
| Viscosity                             | Not relevant | Explosive Properties   | Not relevant                        |
| Oxidizing Properties:                 | Not relevant |                        |                                     |

| Volatility                            |       |                        |                                     |
|---------------------------------------|-------|------------------------|                                     |
| Vapor Pressure                        | Not relevant | Vapor Density         | Not relevant                        |
| Evaporation Rate                      | Not relevant |                        |                                     |

| Flammability                          |       |                        |                                     |
|---------------------------------------|-------|------------------------|                                     |
| Flash Point                           | Not relevant | UEL                    | Not relevant                        |
| LEL                                   | Not relevant | Autoignition           | Not relevant                        |
| Flammability (solid, gas)             | Not relevant |                        |                                     |

| Environmental                         |       |                        |                                     |
|---------------------------------------|-------|------------------------|                                     |
| Octanol/Water Partition coefficient   | Data lacking |                        |                                     |
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
- Avoid flames, sparks, or other sources of ignition.

10.5 Incompatible materials
- No data available.

10.6 Hazardous decomposition products
- Thermal decomposition could produce CO, CO2, and sulfur oxides and oxides of nitrogen.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Other Material Information
- This material is an article that does not release or otherwise result in exposure to a hazardous chemical under normal use. The information provided below is for components only and is not expected to be applicable to the material as a whole.

<table>
<thead>
<tr>
<th>GHS Properties</th>
<th>Classification</th>
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</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>EU/CLP • Not relevant</td>
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<tr>
<td></td>
<td>OSHA HCS 2012 • Not relevant</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>EU/CLP • Not relevant</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Not relevant</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>EU/CLP • Not relevant</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Not relevant</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>EU/CLP • Not relevant</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Not relevant</td>
</tr>
<tr>
<td>Skin corrosion/Irritation</td>
<td>EU/CLP • Not relevant</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Not relevant</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>EU/CLP • Not relevant</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Not relevant</td>
</tr>
<tr>
<td>STOT-RE</td>
<td>EU/CLP • Not relevant</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Not relevant</td>
</tr>
<tr>
<td>STOT-SE</td>
<td>EU/CLP • Not relevant</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Not relevant</td>
</tr>
<tr>
<td>Toxicity for Reproduction</td>
<td>EU/CLP • Not relevant</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Not relevant</td>
</tr>
</tbody>
</table>
Potential Health Effects

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.

Reproductive Effects
- No reproductive effects expected.

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**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**
- Material data lacking.

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**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></th>
<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>
<td>NDA</td>
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<tr>
<td>TDG</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
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<tr>
<td>IMO/IMDG</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
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<tr>
<td>ADN</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
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<tr>
<td>ADR/RID</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>IATA/ICAO</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</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

Germany
Labor

- Germany - Immission Control - Qualifying Quantities for Major Accident Prevention
  Not Listed
- Germany - Immission Control - Qualifying Quantities for Safety Reporting
  Not Listed
- Germany - TRGS 505 - Specific Lead Regulations
  Not Listed
- Germany - TRGS 511 - Specific Ammonium Nitrate Regulations
  Not Listed

Environment

- Germany - TA Luft - Types and Classes
  Not Listed
- Germany - TA Luft - Emission Limits for Carcinogenic Substances
  Not Listed
- Germany - TA Luft - Emission Limits for Fibers
  Not Listed
- Germany - TA Luft - Emission Limits for Inorganic Dusts
  Not Listed
- Germany - TA Luft - Emission Limits for Inorganic Gases
  Not Listed
- Germany - TA Luft - Emission Limits for Organic Substances
  Not Listed
- Germany - Water Classification (VwVwS) - Annex 1
  Not Listed
- Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes
  Not Listed
- Germany - Water Classification (VwVwS) - Annex 3
  Not Listed

United States

Labor

- U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals
  Not Listed
- U.S. - OSHA - Specifically Regulated Chemicals
  Not Listed

Environment

- U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants
  Not Listed
- U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities
  Not Listed
- U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities
  Not Listed
- U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs
  Not Listed
- U.S. - CERCLA/SARA - Section 313 - Emission Reporting
  Not Listed
- U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing
  Not Listed

United States - California

Environment

- U.S. - California - Proposition 65 - Carcinogens List
  Not Listed
- U.S. - California - Proposition 65 - Developmental Toxicity
  Not Listed
- U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)
  Not Listed
Not Listed
U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)
Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Female
Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Male
Not Listed

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

- Chemical Safety Assessment is not required.

Section 16 - Other Information

Last Revision Date
14/March/2014
Preparation Date
30/January/2012
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Key to abbreviations
NDA = No Data Available