**Section 1. Identification**

**GHS product Identifier**

105 Flashing

**Other means of identification**

Not available

**Relevant identified used of the substance or mixtures and uses advised against**

Polymer modified bitumen membrane used as flashing to deflect water.

**Supplier’s details**

Polyguard Products, Inc.
4101 South Interstate 45
Ennis, TX 75119
Tel: (214) 515-5000

**Emergency telephone number) with hours of operation)**

CHEMTREC, US 1-800-424-9300 International 1-703-527-3887
(24/7)

**Section 2. Hazards Identification**

**OSHA/HCS status**

While this material is not considered hazardous by the OSHA Hazardous Communications Standard (49CFR1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

**Classification of the substance or mixture**

Not classified

This product is manufactured as an article under the United States Hazard Communication System and is exempted from the regulatory requirements under HCS.

**GHS label elements**

**Signal word**

No signal word

**Hazard statement**

No known significant effects or critical hazards.

**Precautionary statements**

**Prevention**

Not applicable

**Response**

Not applicable

**Storage**

Not applicable

**Disposal**

Not applicable

**Hazards not otherwise classified**

None known

**Section 3. Composition/Information on Ingredients**

**Substance/Mixture**

Mixture

**Other means of identification**

Not available

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>%</th>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalts</td>
<td>60-80</td>
<td>8052-42-4</td>
</tr>
<tr>
<td>Distillates (petroleum), petroleum residues vacuum</td>
<td>60-80</td>
<td>68955-27-1</td>
</tr>
<tr>
<td>Hydrogen Sulfide</td>
<td>0.001-0.01</td>
<td>7783-06-4</td>
</tr>
<tr>
<td>Limestone</td>
<td>15 - 20</td>
<td>1317-65-3</td>
</tr>
<tr>
<td>Crystalline Silica, quartz (impurity)</td>
<td>0.5 – 1.5</td>
<td>14808-60-7</td>
</tr>
</tbody>
</table>

The exact percentage (concentration) in the composition has been withheld as a trade secret. Occupational exposure limits, if available are listed in section 8. None of the components of this article are in a respirable state.
### Section 4. First Aid Measures

**Description of necessary first aid measures.**

**Eye contact**
Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if symptoms occur.

**Inhalation**
Because of the nature of this product, inhalation is not a route of exposure.

**Skin contact**
Material is in a solid form. If skin contact, wash area with soap and water. Get medical attention if skin irritation occurs.

**Ingestion**
Ingestion is not a route of exposure.

**Most important symptoms/effects, acute and delayed**

<table>
<thead>
<tr>
<th>Eye contact</th>
<th>No known significant effects or critical hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>No known significant effects or critical hazards</td>
</tr>
<tr>
<td>Skin contact</td>
<td>No known significant effects or critical hazards</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No known significant effects or critical hazards</td>
</tr>
</tbody>
</table>

**Potential acute health effects**

<table>
<thead>
<tr>
<th>Eye contact</th>
<th>No known significant effects or critical hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>No known significant effects or critical hazards</td>
</tr>
<tr>
<td>Skin contact</td>
<td>No known significant effects or critical hazards</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No known significant effects or critical hazards</td>
</tr>
</tbody>
</table>

**Over-exposure signs/symptoms**

<table>
<thead>
<tr>
<th>Eye contact</th>
<th>No known significant effects or critical hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>No known significant effects or critical hazards</td>
</tr>
<tr>
<td>Skin contact</td>
<td>No known significant effects or critical hazards</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No known significant effects or critical hazards</td>
</tr>
</tbody>
</table>

**Indication of immediate medical attention and special treatment needed, if necessary.**

**Notes to physician:**
Treat symptomatically.

**Specific treatments**
No specific treatment

**Protection of first aiders**
No action shall be taken involving any personal risk or without suitable training.

### Section 5. Fire-Fighting Measures

**Extinguishing media**

- **Suitable extinguishing media**
  Use an extinguishing agent suitable for the surrounding fire.

- **Unsuitable extinguishing media**
  None known

- **Specific hazards arising from the chemical**
  No specific fire or explosion hazard.

- **Hazardous thermal decomposition products**
  Decomposition products may include the following materials:
  - Carbon Dioxide
  - Carbon Monoxide
  - Sulfur oxides
  - Low MW hydrocarbons

- **Special protective equipment**
  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in a positive pressure mode.

- **Special protective actions for firefighters**
  Promptly isolate the scene by removing all persons from the vicinity of the incident is there is a fire. No action shall be taken involving any personal risks or without suitable training.
Section 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures.**

For non emergency personal
Put on appropriate personal protective equipment.

For emergency responders
If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in “For non-emergency personnel.”

Enviromental precautions
Material will not spill.

**Methods and materials for containment and cleaning up**

Spill
Due to the physical state of this material, spills are not possible.

Section 7. Handling and Storage

**Precautions for safe handling**

**Protective measures**
Put on appropriate personal protective equipment (see Section 8).

**Advice on general occupational hygiene**
Eating, drinking and smoking should be prohibited in areas where material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities**
Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry cool and well-ventilated area away from incompatible materials (see section 10) and food and drink.

Section 8. Exposure Controls/Personal Protection

**Occupational exposure limits**

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt</td>
<td>NIOSH REL (United States, 10/2016)</td>
</tr>
<tr>
<td></td>
<td>CEIL: 5 mg/m³ 15 minutes. Form: fume</td>
</tr>
<tr>
<td></td>
<td>ACGIH TLV (United States, 3/2019)</td>
</tr>
<tr>
<td></td>
<td>TWA: 0.5 mg/m³, (as benzene soluble aerosol) 8 hours. Form: inhalable fraction.</td>
</tr>
<tr>
<td></td>
<td>None</td>
</tr>
<tr>
<td>Distillates( petroleum), petroleum residues vacum</td>
<td>ACGIH TLV (United States, 3/2018)</td>
</tr>
<tr>
<td>Hydrogen Sulfide</td>
<td>TWA: 1 ppm 8 hours</td>
</tr>
<tr>
<td></td>
<td>STEL: 5 ppm 15 minutes</td>
</tr>
<tr>
<td></td>
<td>OSHA PEL Z2 (United States, 2/2013)</td>
</tr>
<tr>
<td></td>
<td>CEIL: 20 ppm</td>
</tr>
<tr>
<td></td>
<td>AMP: 50 ppm 10 minutes</td>
</tr>
<tr>
<td>Limestone</td>
<td>NIOSH REL (United States, 10/2016)</td>
</tr>
<tr>
<td></td>
<td>CEIL: 15 mg/m³ 10 minutes.</td>
</tr>
<tr>
<td>Crystalline Silica, quartz (inpurpleity)</td>
<td>NIOSH REL (United States, 10/2016)</td>
</tr>
<tr>
<td></td>
<td>TWA: 10 mg/m³ (total) TWA 5 mg/m³ (respirable)</td>
</tr>
<tr>
<td></td>
<td>OSHA PEL (United States, 2/2013)</td>
</tr>
<tr>
<td></td>
<td>TWA: 15 mg/m³ (total) TWA 5 mg/m³ ( respirable)</td>
</tr>
<tr>
<td></td>
<td>Ca TWA: 0.05 mg/m³</td>
</tr>
</tbody>
</table>
Section 8. Exposure Controls/Personal Protection

Appropriate engineering controls  No special ventilation requirements. Good ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls  Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Hygiene measure  Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection  Safety eyewear complying with an approved standard should be used when risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases and dusts.

Skin Protection

Hand protection  Chemical- resistant, imprevious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection  Personal protective equipment for the body should be selected based on the task being preformed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection  Appropriate footwear and any additional skin protection measures should be selected based on the task being preformed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection  Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and Chemical Properties

Appearance

Physical state  Solid
Color  Black
Odor  Asphaltic(slight)
Odor threshold  Not available
pH  Not applicable
Melting point  Not available
Boiling point  Not applicable
Flash Point  Not determined
Evaporation rate:  Not applicable
Flammability (solid, gas)  Not applicable
Lower & upper explosive (flammable) limits  Not applicable
Vapor density  Not applicable
Vapor pressure  Not applicable
Relative density  1.09
Solubility  Insoluble in water
Partition coefficient: n- octanol/water  Not available
Auto- ignition temperature  Not applicable
Decomposition temperature  Not applicable
Viscosity  Not applicable
VOC  0 g/l
Section 10. Stability and Reactivity

Reactivity
No specific test data related to reactivity available for this product or its ingredients.

Chemical stability
This product is stable.

Possibility of hazardous reactions
Under normal conditions of storage and use, hazardous reaction will not occur.

Conditions to avoid:
No specific data.

Incompatible materials
Reactive or incompatible with the following materials: Oxidizing materials

Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>&gt;5000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Hydrogen Sulfide</td>
<td>LC50 Inhalation Gas</td>
<td>Rat</td>
<td>444 ppm</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td>LC50 Inhalation Vapor</td>
<td>Rat</td>
<td>700 mg/m³</td>
<td>4 hours</td>
</tr>
<tr>
<td>Limestone</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>6450 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Crystalline Silica, quartz (in purity)</td>
<td>LD50 Oral</td>
<td>Rat Mouse</td>
<td>500 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

Irritation/Corrosion
There is no data available

Sensitization
There is no data available

Mutagenicity
There is no data available

Carcinogenicity

Classification

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>OSHA</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt</td>
<td>-</td>
<td>2B</td>
<td>-</td>
</tr>
<tr>
<td>Crystalline Silica, quartz (in purity)</td>
<td>-</td>
<td>1</td>
<td>-</td>
</tr>
</tbody>
</table>

Reproductive toxicity
There is no data available

Teratogenicity
There is no data available

Specific target organ toxicity (single exposure)
There is no data available

Specific target organ toxicity (repeated exposure)
There is no data available

Aspiration hazard
There is no data available

Information on the likely routes of exposure
Routes of entry anticipated: dermal contact
Routes of entry not anticipated: Oral, inhalation, ingestion

Potential acute health effects

Eye contact
No known significant effects or critical hazards

Inhalation
No known significant effects or critical hazards

Skin contact
No known significant effects or critical hazards

Ingestion
No known significant effects or critical hazards

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact
No known significant effects or critical hazards

Inhalation
No known significant effects or critical hazards

Skin contact
No known significant effects or critical hazards

Ingestion
No known significant effects or critical hazards
Section 11. Toxicological Information

Delayed and immediate effects and chronic effects from short- and long-term exposure

Short term exposure
Potential immediate effects
No known significant effects or critical hazards
Potential delayed effects
No known significant effects or critical hazards

Long term exposure
Potential immediate effects
No known significant effects or critical hazards
Potential delayed effects
No known significant effects or critical hazards
Potential chronic health effects
General
No known significant effects or critical hazards
Carcinogenicity
No known significant effects or critical hazards
Mutagenicity
No known significant effects or critical hazards
Teratogenicity
No known significant effects or critical hazards
Developmental effects
No known significant effects or critical hazards
Fertility effects
No known significant effects or critical hazards

Numerical measures of toxicity
Acute toxicity estimates
There is no data available

Section 12. Ecological Information

Toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Sulfide</td>
<td>Acute EC50 62 μg/L Fresh water Acute LC50 2 μg/L Fresh water</td>
<td>Crustaceans-Gammarus pseudolimnaeus Fish-Coregonus clupeaformis- Yolk Sac fry</td>
<td>2 days 96 hours</td>
</tr>
</tbody>
</table>

Persistence and degradability
Bioaccumulative potential
Mobility in soil
Soil/water partition coefficient (Koc)
Other adverse effects
There is no data available
There is no data available.
There is no data available.
No known significant effects or critical hazards

Section 13. Disposal Considerations

Disposal methods
The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Section 14. Transportation Information

AERG:
Not applicable
Regulatory Information:
DOT/TDG/IMDG/IATA
Not regulated
Section 15. Regulatory Information

U.S. Federal regulations:
- TSCA 8(a) CDR Exempt/Partial exemption: Not determined
- United States inventory (TSCA 8 b): all components are listed or exempted

Clean Air Act Section 112 (b) Hazardous air pollutants (HAPs): Not listed

Clean Air Act (CAA) Section 602 Class I Substances: Not listed
Clean Air Act (CAA) Section 602 Class II Substances: Not listed
DEA List I Chemicals (Precursor chemicals): Not listed
DEA List II Chemicals (Essential Chemicals): Not listed

SARA 302/304 Composition/information on ingredients
- SARA 304 RQ: Not applicable
- SARA 311/312: Not applicable
- SARA 313: Not applicable

State regulations
- Massachusetts: The following components are listed: Petroleum asphalt
- New Jersey: The following components are listed: Petroleum asphalt
- New York: None of the components are listed
- Pennsylvania: The following components are listed: Petroleum asphalt
- California Prop.65: None of the components are listed on the Prob 65 list dated 1-3-2020

16. Other Information

Date of revision: 3-20-2020
Date of previous issue: 12-15-2014
Revisions:
- Change product name from Polyguard 105-12 Flashing to Polyguard 105 Flashing.
- Change Mfg. Address to 4101 S. I-45.
- Change phone number to 214-515-5000 from 800 number.
Version: 4
Prepared by: C. Rogalski

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