Safety Data Sheet

Section 1. Identification

GHS product Identifier: Polyguard Zero-Perm®
Other means of identification: Not available

Relevant identified used of the substance or mixtures and uses advised against
Vapor barrier laminate use to seal butt and longitudinal joints and for use on valves and fittings.

Supplier’s details
Polyguard Products, Inc.
3801 South Interstate 45
Ennis, TX 75119
Tel: (800) 541-4994

Emergency telephone number)
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
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
CAS number/other identifiers
CAS number: Not applicable
Product code: Not applicable

Occupational exposure limits, if available are listed in section 8.

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: Not likely to occur under normal use. Possible exposure to toxic fumes if burned.

Skin contact: Wash with soap and water. Get medical attention if symptoms occur.

Ingestion: Not likely to occur under normal use. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
Section 4. First aid measures

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

**Potential acute health effects**

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye contact</td>
<td>No known significant effects or critical hazards</td>
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</table>

**Over-exposure signs/symptoms**

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

**Notes to physician:**
No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**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**

<table>
<thead>
<tr>
<th>Suitable extinguishing media</th>
<th>Use an extinguishing agent suitable for the surrounding fire.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unsuitable extinguishing media</td>
<td>None known</td>
</tr>
</tbody>
</table>

**Special hazards arising from the chemical**

| 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 fire fighters**
No special protection is required.

Section 6. Accidental release measures

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

<table>
<thead>
<tr>
<th>For non emergency personal</th>
<th>Put on appropriate personal protective equipment.</th>
</tr>
</thead>
<tbody>
<tr>
<td>For emergency responders</td>
<td>If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.</td>
</tr>
</tbody>
</table>

**Environmental precautions**
Not applicable

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

**Protective measures**
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. Remove contaminated clothing and protective equipment before entering eating areas. See section 8 for additional information on hygiene measures.
Section 7. Handling and storage

**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. Keep container tightly closed and sealed until ready to use. Do not store in unlabeled containers.

Section 8. Exposure controls/personal protection

**Control parameters**

**Occupational exposure limits**

None

**Appropriate engineering controls**

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

**Environmental exposure controls**

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 work station location.

**Hygiene measure:**

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, impervious 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 performed 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 performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection**

Use a properly fitted, particulate filter respiratory complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

**Appearance**

**Physical state**

Solid

**Color**

White/silver

**Odor**

Acrylic adhesive like

**Odor threshold**

Not available

**pH**

Not applicable

**Melting point**

Not available

**Boiling point**

Not available

**Flash Point**

Not determined

**Burning time**

Not determined

**Burning rate**

Not determined

**Evaporation rate:**

Not applicable

**Flammability (solid, gas)**

Not applicable

**Lower & upper explosive (flammable) limits**

Not applicable

**Vapor density**

Not applicable
9. Physical and chemical properties

Vapor pressure : Not applicable
Relative density : 1.09
Solubility : Insoluble in water
Partition coefficient: n-octanol/water : Not available
Auto-ignition temperature : Not applicable
De-composition temperature : Not applicable
SADT : 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 decomposition products should not be produced.
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 : There is no data available
Irritation/Corrosion

Skin : There is no data available
Eyes : There is no data available
Respiratory : There is no data available
Sensitization

Skin : There is no data available
Respiratory : There is no data available
Mutagenicity

Carcinogenicity : There is no data available
Reproductive toxicity : There is no data available
Specific target organ toxicity

( single exposure) : There is no data available
( 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
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
Section 11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

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

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

<table>
<thead>
<tr>
<th>Exposure Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short term exposure</td>
<td></td>
</tr>
<tr>
<td>Potential immediate effects</td>
<td>No known significant effects or critical hazards</td>
</tr>
<tr>
<td>Potential delayed effects</td>
<td>No known significant effects or critical hazards</td>
</tr>
<tr>
<td>Long term exposure</td>
<td></td>
</tr>
<tr>
<td>Potential immediate effects</td>
<td>No known significant effects or critical hazards</td>
</tr>
<tr>
<td>Potential delayed effects</td>
<td>No known significant effects or critical hazards</td>
</tr>
<tr>
<td>Potential chronic health effects</td>
<td>No known significant effects or critical hazards</td>
</tr>
</tbody>
</table>

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
Target organs: No known significant effects or critical hazards

Numerical measures of toxicity

Acute toxicity estimates: There is no data available

Section 12. Ecological information

Toxicity: There is no data available
Persistence and degradability: There is no data available
Bioaccumulative potential: There is no data available
Mobility in soil: Not applicable

Soil/water partition coefficient (K_{OC}): Not applicable
Other adverse effects: 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: Not regulated
## Section 15. Regulatory information

<table>
<thead>
<tr>
<th>U.S. Federal regulations:</th>
<th>TSCA 8(a) CDR Exempt/Partial exemption: Not determined</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Clean Air Act Section 112 (b) Hazardous air pollutants (HAPs)</strong></td>
<td>United States inventory (TSCA 8(b)): All components are listed or exempted</td>
</tr>
<tr>
<td><strong>Clean Air Act (CAA) Section 602 Class I Substances</strong></td>
<td>Not listed</td>
</tr>
<tr>
<td><strong>Clean Air Act (CAA) Section 602 Class II Substances</strong></td>
<td>Not listed</td>
</tr>
<tr>
<td><strong>DEA List I Chemicals (Precursor chemicals)</strong></td>
<td>Not listed</td>
</tr>
<tr>
<td><strong>DEA List II Chemicals (Essential Chemicals)</strong></td>
<td>Not listed</td>
</tr>
<tr>
<td><strong>SARA 302/304 Composition/information on ingredients</strong></td>
<td>No products found</td>
</tr>
<tr>
<td><strong>SARA 304 RQ</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>SARA 311/312 Classification</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>State regulations</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Massachusetts</strong></td>
<td>The following components are listed: Petroleum asphalt</td>
</tr>
<tr>
<td><strong>New Jersey</strong></td>
<td>The following components are listed: Petroleum asphalt</td>
</tr>
<tr>
<td><strong>New York</strong></td>
<td>None of the components are listed</td>
</tr>
<tr>
<td><strong>Pennsylvania</strong></td>
<td>The following components are listed: Petroleum asphalt</td>
</tr>
<tr>
<td><strong>California Prop 65</strong></td>
<td>No products were found</td>
</tr>
<tr>
<td><strong>International regulations</strong></td>
<td></td>
</tr>
<tr>
<td><strong>International lists</strong></td>
<td>Australia inventory (AICS): All components are listed or exempted</td>
</tr>
<tr>
<td></td>
<td>China inventory (IECSC): All components are listed or exempted</td>
</tr>
<tr>
<td></td>
<td>Japan inventory: Not determined</td>
</tr>
<tr>
<td></td>
<td>China inventory (IECSC): All components are listed or exempted</td>
</tr>
<tr>
<td></td>
<td>Korea inventory: All components are listed or exempted</td>
</tr>
<tr>
<td></td>
<td>Malaysia inventory (EHS Register): Not determined</td>
</tr>
<tr>
<td></td>
<td>New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted</td>
</tr>
<tr>
<td></td>
<td>Philippines inventory (PICCS): All components are listed or exempted</td>
</tr>
<tr>
<td></td>
<td>Taiwan inventory (CSNN): Not determined</td>
</tr>
<tr>
<td><strong>Chemical Weapons Convention List schedule I Chemicals</strong></td>
<td>Not listed</td>
</tr>
<tr>
<td><strong>Chemical Weapons Convention List schedule II Chemicals</strong></td>
<td>Not listed</td>
</tr>
<tr>
<td><strong>Chemical Weapons Convention List schedule III Chemicals</strong></td>
<td>Not listed</td>
</tr>
</tbody>
</table>
16. Other information

Hazardous Material Information System (USA)
Health -1 Flammability-0 Physical hazards-0
Caution: HMIS® rating are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with fully implemented HMIS® program. HMIS® is a registered trademark of the National Paint & Coating Association (NPCA). HMIS® materials may be purchased exclusively from J.J. Keller.

National Fire Protection Association (USA) NFPA 704
Health -1 Flammability-0 Instability-0
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Date of previous issue 4/4/11
Revisions: Revision to entire document for compliance of new HazCom rules.
Version 3
Prepared by C. Rogalski

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