

## Safety Data Sheet

### Section 1. Identification

**GHS product Identifier** Polyguard ZeroPerm®  
**Other means of identification** Not available

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

Vapor barrier laminate used 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: (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

**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.

<b>Ingredient</b>	<b>Percent</b>	<b>CAS #</b>
Aluminum Foil	50-70 %	7429-90-5
Polyester	20-40 %	Proprietary
Antimony Trioxide*	< 1 %	1309-64-4

\* Antimony Trioxide is inextricably bound within the polymer matrix of this product and not considered a hazardous chemical under OSHA Standard ( 29 CFR 1910.1200) per (b)(2).

The specific identity and/or exact percentages of composition has been withheld as trade secret.

## Section 4. First Aid Measures

### Description of necessary first aid measures.

<b>Eye contact</b>	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.
<b>Inhalation</b>	Not likely to occur under normal use. Possible exposure to toxic fumes if burned.
<b>Skin contact</b>	Wash with soap and water. Get medical attention if symptoms occur.
<b>Ingestion</b>	Not likely to occur under normal use.

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

#### Potential acute health effects

<b>Eye contact</b>	No known significant effects or critical hazards
<b>Inhalation</b>	No known significant effects or critical hazards
<b>Skin contact</b>	No known significant effects or critical hazards
<b>Ingestion</b>	No known significant effects or critical hazards

#### Over-exposure signs/symptoms

<b>Eye contact</b>	No known significant effects or critical hazards
<b>Inhalation</b>	No known significant effects or critical hazards
<b>Skin contact</b>	No known significant effects or critical hazards
<b>Ingestion</b>	No known significant effects or critical hazards

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

<b>Notes to physician:</b>	No specific treatment. Treat symptomatically.
<b>Specific treatments</b>	No specific treatment
<b>Protection of first aiders:</b>	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.

## 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.

#### **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

#### **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 their 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.

#### **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**

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 work-station 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, 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**

No respiratory protection required for use with this product.

## 9. Physical and Chemical Properties

### Appearance

Physical state	Solid
Color	Silver/White
Odor	None
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
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
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

<u>Acute toxicity</u>	There is no data available
<u>Irritation/Corrosion</u>	
<u>Skin</u>	There is no data available
<u>Eyes</u>	There is no data available
<u>Respiratory</u>	There is no data available
<u>Sensitization</u>	
<u>Skin</u>	There is no data available
<u>Respiratory</u>	There is no data available
<u>Mutagenicity</u>	There is no data available
<u>Carcinogenicity</u>	There is no data available

## Section 11. Toxicological Information

<a href="#"><u>Reproductive toxicity</u></a>	There is no data available
<a href="#"><u>Specific target organ toxicity (single exposure)</u></a>	There is no data available
<a href="#"><u>Specific target organ toxicity (repeated exposure)</u></a>	There is no data available
<a href="#"><u>Aspiration hazard</u></a>	There is no data available
<a href="#"><u>Information on the likely routes of exposure</u></a>	Routes of entry anticipated: dermal. Routes of entry not anticipated: Oral, inhalation, ingestion
<a href="#"><u>Potential acute health effects</u></a>	
<a href="#"><u>Eye contact</u></a>	No known significant effects or critical hazards
<a href="#"><u>Inhalation</u></a>	No known significant effects or critical hazards
<a href="#"><u>Skin contact</u></a>	No known significant effects or critical hazards
<a href="#"><u>Ingestion</u></a>	No known significant effects or critical hazards
<a href="#"><u>Symptoms related to the physical, chemical, and toxicological characteristics</u></a>	
<a href="#"><u>Eye contact</u></a>	No known significant effects or critical hazards
<a href="#"><u>Inhalation</u></a>	No known significant effects or critical hazards
<a href="#"><u>Skin contact</u></a>	No known significant effects or critical hazards
<a href="#"><u>Ingestion</u></a>	No known significant effects or critical hazards
<a href="#"><u>Delayed and immediate effects and chronic effects from short- and long-term exposure</u></a>	
<a href="#"><u>Short term exposure</u></a>	
<a href="#"><u>Potential immediate effects</u></a>	No known significant effects or critical hazards
<a href="#"><u>Potential delayed effects</u></a>	No known significant effects or critical hazards
<a href="#"><u>Long term exposure</u></a>	
<a href="#"><u>Potential immediate effects</u></a>	No known significant effects or critical hazards
<a href="#"><u>Potential delayed effects</u></a>	No known significant effects or critical hazards
<a href="#"><u>Potential chronic health effects</u></a>	
<a href="#"><u>General</u></a>	No known significant effects or critical hazards
<a href="#"><u>Carcinogenicity</u></a>	No known significant effects or critical hazards
<a href="#"><u>Mutagenicity</u></a>	No known significant effects or critical hazards
<a href="#"><u>Teratogenicity</u></a>	No known significant effects or critical hazards
<a href="#"><u>Developmental effects</u></a>	No known significant effects or critical hazards
<a href="#"><u>Fertility effects</u></a>	No known significant effects or critical hazards
<a href="#"><u>Target organs</u></a>	No known significant effects or critical hazards
<a href="#"><u>Numerical measures of toxicity</u></a>	
<a href="#"><u>Acute toxicity estimates</u></a>	There is no data available

## Section 12. Ecological Information

<a href="#"><u>Toxicity</u></a>	There is no data available
<a href="#"><u>Persistence and degradability</u></a>	There is no data available
<a href="#"><u>Bioaccumulative potential</u></a>	There is no data available
<a href="#"><u>Mobility in soil</u></a>	
<a href="#"><u>Soil/water partition coefficient (Koc)</u></a>	Not applicable
<a href="#"><u>Other adverse effects</u></a>	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

**SARA 302/304**  
[Composition/information on ingredients](#) No products found

**SARA 304 RQ** Not applicable  
**SARA 311/312** Not applicable  
**Classification**  
[State regulations](#)  
[California Prop. 65](#)



**WARNING:** This product can expose you to chemicals including (*Antimony Trioxide*), which is(are) known to the State of California to cause cancer. For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## 16. Other Information

**Date of revision:** 5/17/2023  
**Date of previous issue** 3/27/19  
**Revisions:** Update corporate address.  
 Remove reference to adhesive.  
 Update exposure information.  
**Version** 5  
**Prepared by** C. Rogalski

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