

Safety Data Sheet

Section 1. Identification

GHS product Identifier Polyguard Insulrap™ JB
Other means of identification Not available

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

Insulrap™ JB is a self- adhesive multi-layer white PET/FOIL/PET Zero perm membrane designed specifically for LNG and Cryogenic insulations systems.

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

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.

Ingredient	Percent	CAS #
Naphthalene	< 1%	91-20-30
Antimony Trioxide*	< 1 %	1309-64-4

* Antimony Trioxide and Naphtahlene are 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 identiy and/or exact percentages of composition has been withheld as trade secret.

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.

Most important symptoms/effects, acute and delayed

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

Over-exposure signs/symptoms

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

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

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 fire fighters

No special protection is required.

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.
Enviromental precautions	Not applicable
<u>Methods and materials for containment and cleaning up</u>	
Spill	Due to the physical state of this material, spills are not possible.

Section 7. Handling and Storage

Precautions for safe handling

Protective measures

Advice on general occupational hygiene

Put on appropriate personal protective equipment (see Section 8)

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.

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

Appropriate engineering controls

Environmental exposure controls

Hygiene measure

Eye/face protection

Skin Protection

Hand protection

Body protection

Other skin protection

Respiratory protection

None

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

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

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.

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.

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.

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.

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.

No respiratory protection required for use with this product.

9. Physical and Chemical Properties

Appearance

Physical state	Solid
Color	White/Black
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

<u>Reproductive toxicity</u>	There is no data available
<u>Specific target organ toxicity (single exposure)</u>	There is no data available
<u>Specific target organ toxicity (repeated exposure)</u>	There is no data available
<u>Aspiration hazard</u>	There is no data available
<u>Information on the likely routes of exposure</u>	Routes of entry anticipated: dermal Routes of entry not anticipated: Oral, inhalation, ingestion
<u>Potential acute health effects</u>	
<u>Eye contact</u>	No known significant effects or critical hazards
<u>Inhalation</u>	No known significant effects or critical hazards
<u>Skin contact</u>	No known significant effects or critical hazards
<u>Ingestion</u>	No known significant effects or critical hazards
<u>Symptoms related to the physical, chemical and toxicological characteristics</u>	
<u>Eye contact</u>	No known significant effects or critical hazards
<u>Inhalation</u>	No known significant effects or critical hazards
<u>Skin contact</u>	No known significant effects or critical hazards
<u>Ingestion</u>	No known significant effects or critical hazards
<u>Delayed and immediate effects and chronic effects from short and long term exposure</u>	
<u>Short term exposure</u>	
<u>Potential immediate effects</u>	No known significant effects or critical hazards
<u>Potential delayed effects</u>	No known significant effects or critical hazards
<u>Long term exposure</u>	
<u>Potential immediate effects</u>	No known significant effects or critical hazards
<u>Potential delayed effects</u>	No known significant effects or critical hazards
<u>Potential chronic health effects</u>	
<u>General</u>	No known significant effects or critical hazards
<u>Carcinogenicity</u>	Naphthalene is listed by IARC as a 2B.
<u>Mutagenicity</u>	No known significant effects or critical hazards
<u>Teratogenicity</u>	No known significant effects or critical hazards
<u>Developmental effects</u>	No known significant effects or critical hazards
<u>Fertility effects</u>	No known significant effects or critical hazards
<u>Target organs</u>	No known significant effects or critical hazards
<u>Numerical measures of toxicity</u>	
<u>Acute toxicity estimates</u>	There is no data available

Section 12. Ecological Information

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

Classification

Not applicable

State regulations

California Prop. 65



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

16. Other Information

Date of revision:

3/27/19

Date of previous issue

7/7/15

Revisions:

Update corporate address and phone number.

Update hazardous ingredient list.

Update PPE requirements.

Update regulatory information

Remove information on HMIS identification system

Version

2

Prepared by

C. Rogalski

Notice to reader: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.