

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: (800) 541-4994
Emergency telephone number) CHEMTREC, US 1-800-424-9300 International 1-703-527-3887
with hours of operation) (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

- 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.
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 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

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

: 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/Black

Odor

: Sweet (slight)

Odor threshold

: Not available

pH

: Not applicable

Melting point

: 185 F

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
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
<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

Potential acute health effects

<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

Section 11. Toxicological information

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

Delayed and immediate effects and also 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
Target organs	: No known significant effects or critical hazards

Numerical measures of toxicity

Acute toxicity estimates	: There is no data available
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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	
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.
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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	
<u>Composition/information on ingredients</u>	: No products found
SARA 304 RQ	: Not applicable
SARA 311/312 Classification	: Not applicable
<u>State regulations</u>	
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
<u>California Prop.65</u>	: No products were found
<u>International regulations</u>	
<u>International lists</u>	: Australia inventory (AICS): all components are listed or exempted
	: China inventory (IECSC): all components are listed or exempted
	: Japan inventory : Not determined
	: China inventory (IECSC): All components are listed or exempted
	: Korea inventory: All components are listed or exempted
	: Malaysia inventory (EHS Register): Not determined
	: New Zealand Inventory of Chemicals (NZIoC):All components are listed or exempted
	: Philippines inventory (PICCS): all components are listed or exempted
	: Taiwan inventory (CSNN): Not determined
Chemical Weapons Convention List schedule I Chemicals	: Not listed
Chemical Weapons Convention List schedule II Chemicals	: Not listed
Chemical Weapons Convention List schedule III Chemicals	: Not listed

