

Safety Data Sheet

Section 1. Identification

GHS product Identifier 650 Membrane

Other means of identification Not available

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

Polymer modified bitumen membrane used as a waterproofing membrane and vapor retarder on concrete slabs.

Supplier's details Polyguard Products, Inc.
3801 South Interstate 45
Ennis, TX 75119
Tel: (214) 515-5000 (M-F 7 am-5 pm CST)

Emergency telephone number) with hours of operation) CHEMTREC, US 1-800-424-9300 International 1-703-527-3887 (24/7)

Section 2. Hazards Identification

This product is classified as a non-hazardous per OSHA 1910.1200. This product is defined as an “article”. A manufactured item that is formed to a specific shape or design during manufacture that does not release or result in exposure to a hazardous chemical under normal use conditions.

Section 3. Composition/Information on Ingredients

Substance/Mixture Mixture
Other means of identification Not available

Ingredient name	%	CAS #
Asphalt	50-60	8052-42-4
Distillates(petroleum), petroleum residues vaccum	1-5	68955-27-1
Limestone	10 – 20	1317-65-3
Crystalline Silica, quartz (inpurity)	<1	14808-60-7

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 Flush with water for at least 15 minutes. If pain or irritation persists, consult a physician.
Inhalation Not likely in current form.
Skin contact Wash with soap and water. In case of irritation, consult physician.
Ingestion Not likely in current form.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact May cause eye irritation
Inhalation Not applicable.
Skin contact Irritation and redness.
Ingestion Not known.

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

Generation of toxic fumes from burning product.

Special Fire Fighting Procedures

For large fires in confined areas use approved self-contained breathing apparatus (SCBA). Use water fog or spray to protect exposed equipment and containers.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures.

For emergency responders

No special measures required.

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

Don appropriate personal protective equipment (see Section 8). Avoid exposure-obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get into your eyes. Do not swallow. Store away from heat, sparks, open flames, and other ignition sources.

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. See section 8 for additional information on hygiene measures.

Condition for safe storage including any incompatibilities

Store in accordance with local regulations. Store protected from direct sunlight in a dry cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources.

Section 8. Exposure Controls/Personal Protection

Occupational exposure limits

Ingredient name	Exposure limits
Asphalt	NIOSH REL CEIL: 5 mg/m ³ 15 minutes. Form: fume
Limestone	ACGIH TLV TWA: 0.5 mg/m ³ , (inhalable fume) NIOSH REL (United States, 10/2016) TWA: 10 mg/m ³ (total) TWA 5 mg/m ³ (respirable) OSHA PEL (United States, 2/2013) TWA: 15 mg/m ³ (total) TWA 5 mg/m ³ (respirable)
Crystalline Silica, quartz (inpurity)	NIOSH REL (United States, 10/2016) Ca TWA: 0.05 mg/m ³ OSHA PEL TWA 50 µg/m ³

Appropriate engineering controls

No special ventilation requirements. 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.

Section 8. Exposure Controls/Personal Protection

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.
<u>Skin Protection</u>	
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	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

<u>Appearance</u>	
Physical state	Solid
Color	White printed backing/ Black adhesive layer.
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 data available.
Chemical stability	This product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	No data available
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

Product/ingredient name	Result	Species	Dose	Exposure
Petroleum Asphalt	LD50 Oral	Rat	> 5000 mg/kg	-
Limestone	LD50 Dermal	Rabbit	> 2000 mg/kg	-
Crystalline Silica, quartz	LD50 Oral	Rat	6450 mg/kg	-
(impurity)	LD50 Oral	Rat/ mouse	500 mg/kg	-

Irritation/Corrosion

There is no data available

Sensitization

There is no data available

Mutagenicity

There is no data available

Carcinogenicity

Classification

Product/ingredient name	OSHA	IARC	NTP
Asphalt	-	2B	-
Crystalline Silica, quartz (Impurity)	-	1	-

Section 12. Ecological Information

Toxicity

Persistence and degradability

There is no data available

Bioaccumulative potential

There is no data available

Mobility in soil

Soil/water partition coefficient (K_{oc})

There is no data available.

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:
DOT/TDG/IMDG/IATA Not regulated

Section 15. Regulatory Information

U.S. Federal regulations: **United States inventory (TSCA):** all components are listed or exempted

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
Pennsylvania The following components are listed: Petroleum asphalt
California Prop.65 None of the components are listed on the Prob 65 list dated 12-29-2023.

16. Other Information

Date of revision: 12/17/2024
Date of previous issue 3/20/2020
Revisions: Update address
Version 6
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.