

Safety Data Sheet

Section 1. Identification

GHS product Identifier : Lowflow™
Other means of identification : Not available

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

This product is a high strength, multi-layer fabric composite, designed to protect underlying waterproofing membranes and provide a low cost drainage mat which is suitable for most clay soils.

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

**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 : Review installation instructions prior to use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves. Wear eye and face protection.

Response : **If Swallowed:** immediately call a poison control center or physician. Do not induce vomiting.

Storage : Store in accordance with local regulations. Store away from sunlight and in a dry cool and well ventilated area.

Disposal : Dispose of this product in accordance with local, regional, state and national regulations.

**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 a route of entry.
- Skin contact** : Wash with soap and water. Get medical attention if symptoms occur.
- Ingestion** : Not likely to occur under normal use.

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.

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

- Notes to physician:** : No specific treatment. Treat symptomatically.
- 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** : Generation of toxic fumes from burning product.
- 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** : None.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures.

- For non emergency personal** : No special measures required.
- For emergency responders** : No special measures required.
- 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). Avoid exposure-obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in 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 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 and food and drink. Eliminate all ignition sources.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Appropriate engineering controls

: No special ventilation requirements.

Environmental exposure controls

: None required.

Hygiene measure:

: Wash hands, forearms and face thoroughly after handling products, before eating, smoking, and using the lavatory and at the end of the working period.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when risk assessment indicates this is necessary to avoid exposure..

Skin Protection

Hand protection

: Normal work gloves maybe worn if risk assessment indicates this is necessary to avoid exposure.

Body protection

: Not required.

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

: Under normal usage of this product , respiratory protection is not required.

Section 9. Physical and chemical properties

Appearance

Physical state

: Solid

Color

: Black

Odor

: None

Odor threshold

: Not available

pH

: Not applicable

Melting point

: Not available

Boiling point

: Not applicable

Flash Point

: Not applicable

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

: Not applicable

Section 9. Physical and chemical properties

Solubility	: Insoluble in water
Decomposition temperature	: Not available
Auto- ignition temperature	: Not applicable
Decomposition temperature	: Not applicable

Section 10. Stability and reactivity

Reactivity	: The product is stable under normal conditions.
Chemical stability	: The product is stable under normal conditions.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous decomposition will not occur.
Conditions to avoid:	: Heat, flames, sparks and other sources of ignition and temperatures above 150 °F.
Incompatible materials	: None
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>	: There is no data available
<u>Sensitization</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

Potential acute health effects

Eye contact	: Caused eye irritation
Inhalation	: Not likely to occur.
Skin contact	: May cause skin irritation.
Ingestion	: Not likely to occur.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Adverse symptoms may include the following: pain or irritation, watering, redness.
Inhalation	: Not a likely mode of entry.
Skin contact	: Adverse symptoms may include the following: irritation or redness.
Ingestion	: Not a likely mode of entry.

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
<u>Long term exposure</u>	
Potential immediate effects	: No known significant effects or critical hazards
Potential delayed effects	: No known significant effects or critical hazards

Section 11. Toxicological information

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	: This material is not expected to be hazardous to the environment.
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. 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 Regulatory Information	: Not applicable
DOT/TDG/IMDG/IATA	: Not regulated

Section 15. Regulatory information

U.S. Federal regulations Composition/information on ingredients	: United States TSCA inventory: All components are listed or exempted
SARA 311/312	: This product is not listed.
California Prop. 65	: No products were found

16. Other information

Date of revision: : 5/26/15
Date of previous issue : 9/17/14
Revisions: : Revision to entire document for compliance of new HazCom rules.
Version : 3
Prepared by : C. Rogalski

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