

Safety Data Sheet

Section 1. Identification

GHS product Identifier : Polyflow® 10, Polyflow® 10P, Polyflow® 15, Polyflow® 15P and Polyflow® 18
Other means of identification : Not available

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

This product is a two part prefabricated geo-composite drain consisting of a formed polypropylene core, covered on one side with a woven mono filament fiber filter fabric. The fabric allows water to pass into the drain core, while restricting the movement of soil particles which might clog the core. The core allows water to flow to designated drain exits.

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 : 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 IN EYES: Rinse cautiously with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing if eye irritation persists: get medical attention. IF ON SKIN: Rinse skin with water or shower. Wash with plenty of soap and water. If skin irritation occurs: Get medical attention.

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
<u>CAS number/other identifiers</u>	
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	: Dry chemical, foam or carbon dioxide.
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.
 Enviromental 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 preformed 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	: Negligible
Odor threshold	: Not available
pH	: Not applicable
Melting point	: Approx. 320 °F
Boiling point	: Not applicable
Flash Point	: Greater than 400 °F (ASTM D92)
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
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

Section 11. Toxicological information

Potential acute health effects

- Eye contact** : May cause skin 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

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 : The IARC evaluation of the Carbon black (airborne, unbound particles of respirable size) is possibility carcinogenic to humans (Group 2B).
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

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.

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 TSCA inventory:** This product is listed as an article and is exempted from TSCA requirements.

Composition/information on ingredients
SARA 311/312 : This product is not listed.

California Prop. 65 : Carbon black (airborne, unbound particles of respirable size) is, CAS # 1333-86-4 is listed as a possible carcinogen.

16. Other information

Date of revision: : 5/4/16
Date of previous issue : 5/26/15
Revisions: : Change street address & company phone number. Change composition of product from polystyrene to polypropylene. Update section 2 Hazardous Identification-response section. Section 5 Fire Fighting- update extinguishing media. Update section 9 Physical Properties.
Version : 5
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.