



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** GEOTEX® 2801  
**Version #** 02  
**Issue date** 22-April-2013  
**Revision date** 22-April-2013  
**Chemical description** POLYPROPYLENE WOVEN AND NONWOVEN GEOTEXTILES  
**CAS #** Mixture  
**Manufacturer information** CETCO  
Building Materials Group  
2870 Forbs Avenue  
Hoffman Estates 60192  
United States  
safety.data@amcol.com  
http://www.cetco.com/

## 2. Hazards Identification

**Emergency overview** Cancer hazard.  
**Potential health effects**  
**Routes of exposure** Inhalation. Eye contact.  
**Eyes** Avoid contact with eyes.  
**Skin** Health injuries are not known or expected under normal use.  
**Inhalation** May cause cancer by inhalation. Prolonged inhalation may be harmful. Do not breathe dust.  
**Ingestion** Do not ingest.  
**Target organs** Eyes.

## 3. Composition / Information on Ingredients

| Components                               | CAS #     | Percent  |
|--|-----------|----------|
| CARBON BLACK                             | 1333-86-4 | 1 - 5    |
| Other components below reportable levels |           | 60 - 100 |

**Composition comments** Not applicable to consumer products.

## 4. First Aid Measures

### First aid procedures

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Continue rinsing. Get medical attention if irritation develops and persists.

**Skin contact** Remove and isolate contaminated clothing and shoes. Wash off with warm water and soap. For minor skin contact, avoid spreading material on unaffected skin. Get medical attention if irritation develops and persists.

**Inhalation** Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention, if needed.

**Ingestion** Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If ingestion of a large amount does occur, call a poison control center immediately.

### Notes to physician

In case of shortness of breath, give oxygen. Symptoms may be delayed.

### General advice

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Get medical attention if symptoms occur.

## 5. Fire Fighting Measures

|   |  |
|---|--|
| <b>Flammable properties</b>                 | Not flammable by WHMIS criteria.   |
| <b>Extinguishing media</b>                  |  |
| <b>Suitable extinguishing media</b>         | Water.   |
| <b>Fire fighting equipment/instructions</b> | In the event of fire, cool tanks with water spray.                             |
| <b>Specific methods</b>                     | Cool containers exposed to flames with water until well after the fire is out. |
| <b>Explosion data</b>                       |  |
| <b>Sensitivity to static discharge</b>      | Not available.   |
| <b>Sensitivity to mechanical impact</b>     | Not available.   |

## 6. Accidental Release Measures

|                                |  |
|--------------------------------|--|
| <b>Methods for cleaning up</b> | Following product recovery, flush area with water. For waste disposal, see section 13 of the MSDS. |
|--------------------------------|--|

## 7. Handling and Storage

|                 |  |
|-----------------|--|
| <b>Handling</b> | Do not breathe dust. Do not use in areas without adequate ventilation. Avoid prolonged exposure. Wash thoroughly after handling. |
| <b>Storage</b>  | Store in a closed container away from incompatible materials. Keep out of the reach of children.                                 |

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

| <b>Components</b>                   | <b>Type</b> | <b>Value</b>         | <b>Form</b>           |
|-------------------------------------|-------------|----------------------|-----------------------|
| CARBON BLACK<br>(1333-86-4)         | TWA         | 3 mg/m <sup>3</sup>  | Inhalable fraction.   |
| <b>Additional components</b>        | <b>Type</b> | <b>Value</b>         | <b>Form</b>           |
| INERT OR NUISANCE<br>DUSTS (SEQ250) | TWA         | 3 mg/m <sup>3</sup>  | Respirable particles. |
|                                     |             | 10 mg/m <sup>3</sup> | Inhalable particles.  |

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

| <b>Components</b>                   | <b>Type</b> | <b>Value</b>          |                       |
|-------------------------------------|-------------|-----------------------|-----------------------|
| CARBON BLACK<br>(1333-86-4)         | TWA         | 3.5 mg/m <sup>3</sup> |                       |
| <b>Additional components</b>        | <b>Type</b> | <b>Value</b>          | <b>Form</b>           |
| INERT OR NUISANCE<br>DUSTS (SEQ250) | TWA         | 3 mg/m <sup>3</sup>   | Respirable particles. |
|                                     |             | 10 mg/m <sup>3</sup>  | Total particulate.    |

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

| <b>Components</b>                   | <b>Type</b> | <b>Value</b>          |                      |
|-------------------------------------|-------------|-----------------------|----------------------|
| CARBON BLACK<br>(1333-86-4)         | TWA         | 3.5 mg/m <sup>3</sup> |                      |
| <b>Additional components</b>        | <b>Type</b> | <b>Value</b>          | <b>Form</b>          |
| INERT OR NUISANCE<br>DUSTS (SEQ250) | TWA         | 3 mg/m <sup>3</sup>   | Respirable fraction. |
|                                     |             | 10 mg/m <sup>3</sup>  | Total dust.          |

#### Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

| <b>Components</b>                   | <b>Type</b> | <b>Value</b>          |                       |
|-------------------------------------|-------------|-----------------------|-----------------------|
| CARBON BLACK<br>(1333-86-4)         | TWA         | 3.5 mg/m <sup>3</sup> |                       |
| <b>Additional components</b>        | <b>Type</b> | <b>Value</b>          | <b>Form</b>           |
| INERT OR NUISANCE<br>DUSTS (SEQ250) | TWA         | 3 mg/m <sup>3</sup>   | Respirable particles. |
|                                     |             | 10 mg/m <sup>3</sup>  | Inhalable             |

**Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)**

| Components                          | Type | Value     |             |
|-------------------------------------|------|-----------|-------------|
| CARBON BLACK<br>(1333-86-4)         | TWA  | 3.5 mg/m3 |             |
| Additional components               | Type | Value     | Form        |
| INERT OR NUISANCE<br>DUSTS (SEQ250) | TWA  | 10 mg/m3  | Total dust. |

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

| Components                          | Type | Value     |                      |
|-------------------------------------|------|-----------|----------------------|
| CARBON BLACK<br>(1333-86-4)         | PEL  | 3.5 mg/m3 |                      |
| Additional components               | Type | Value     | Form                 |
| INERT OR NUISANCE<br>DUSTS (SEQ250) | PEL  | 5 mg/m3   | Respirable fraction. |
|                                     |      | 15 mg/m3  | Total dust.          |

**US. OSHA Table Z-3 (29 CFR 1910.1000)**

| Additional components               | Type | Value    | Form                 |
|-------------------------------------|------|----------|----------------------|
| INERT OR NUISANCE<br>DUSTS (SEQ250) | TWA  | 5 mg/m3  | Respirable fraction. |
|                                     |      | 15 mg/m3 | Total dust.          |
|                                     |      | 50 mppcf | Total dust.          |
|                                     |      | 15 mppcf | Respirable fraction. |

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

**Eye / face protection** Wear safety glasses with side shields (or goggles).

**Skin protection** Wear protective gloves.

**Respiratory protection** Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

**9. Physical & Chemical Properties**

|   |                               |
|---|-------------------------------|
| <b>Appearance</b>                                     | Not available.                |
| <b>Physical state</b>                                 | Solid.                        |
| <b>Form</b>   | Solid.                        |
| <b>Color</b>  | Not available.                |
| <b>Odor</b>   | Not available.                |
| <b>Odor threshold</b>                                 | Not available.                |
| <b>pH</b>   | Not available.                |
| <b>Vapor pressure</b>                                 | Not available.                |
| <b>Vapor density</b>                                  | Not available.                |
| <b>Boiling point</b>                                  | Not available.                |
| <b>Melting point/Freezing point</b>                   | 495.5 °F (257.5 °C) estimated |
| <b>Solubility (water)</b>                             | Not available.                |
| <b>Specific gravity</b>                               | 1.799979996 estimated         |
| <b>Relative density</b>                               | Not available.                |
| <b>Flash point</b>                                    | Not available.                |
| <b>Flammability limits in air, upper, % by volume</b> | Not available.                |
| <b>Flammability limits in air, lower, % by volume</b> | Not available.                |
| <b>Auto-ignition temperature</b>                      | Not available.                |
| <b>Other data</b>                                     |                               |
| <b>Density</b>  | 1.80 g/cm3 estimated          |

**10. Chemical Stability & Reactivity Information**

**Chemical stability** Material is stable under normal conditions.

|   |  |
|---|--|
| <b>Conditions to avoid</b>              | None under normal conditions.  |
| <b>Incompatible materials</b>           | Not available.   |
| <b>Hazardous decomposition products</b> | Carbon monoxide. Irritating and/or toxic fumes and gases may be emitted upon the products decomposition. |

## 11. Toxicological Information

### Toxicological data

| Components               | Species | Test Results |
|--------------------------|---------|--------------|
| CARBON BLACK (1333-86-4) |         |              |
| <b>Acute</b>             |         |              |
| <i>Oral</i>              |         |              |
| LD50                     | Rat     | > 8000 mg/kg |

\* Estimates for product may be based on additional component data not shown.

**Chronic effects** Hazardous by WHMIS criteria. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

**Carcinogenicity** Hazardous by WHMIS criteria. Cancer hazard.

#### ACGIH Carcinogens

CARBON BLACK (CAS 1333-86-4) A3 Confirmed animal carcinogen with unknown relevance to humans.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

CARBON BLACK (CAS 1333-86-4) 2B Possibly carcinogenic to humans.

## 12. Ecological Information

**Persistence and degradability** Not available.

## 13. Disposal Considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose in accordance with all applicable regulations.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport Information

### TDG

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

## 15. Regulatory Information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**WHMIS status** Controlled

**WHMIS classification** D2A - Other Toxic Effects-VERY TOXIC

**WHMIS labeling**



### Inventory status

| Country(s) or region | Inventory name   | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia            | Australian Inventory of Chemical Substances (AICS)         | Yes                    |
| Canada               | Domestic Substances List (DSL)                             | Yes                    |
| Canada               | Non-Domestic Substances List (NDSL)                        | No                     |
| China                | Inventory of Existing Chemical Substances in China (IECSC) | Yes                    |

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

## 16. Other Information

### Further information

HMIS® is a registered trade and service mark of the NPCA.

### HMIS® ratings

Health: 1\*  
 Flammability: 0  
 Physical hazard: 0

### NFPA ratings

Health: 1  
 Flammability: 0  
 Instability: 0

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The manufacturer expressly does not make any representations, warranties, or guarantees as to its accuracy, reliability or completeness nor assumes any liability, for its use. It is the user's responsibility to verify the suitability and completeness of such information for each particular use.

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### Prepared by

EHS Department

### This data sheet contains changes from the previous version in section(s):

Product and Company Identification: Product and Company Identification  
 Composition / Information on Ingredients: Ingredients