



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** GEOTEX® 1601  
**Version #** 02  
**Issue date** 01-July-2012  
**Revision date** 22-April-2013  
**Supersedes date** 01-July-2012  
**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** Harmful in contact with eyes. Cancer hazard.  
**OSHA regulatory status** This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).  
**Potential health effects**  
**Routes of exposure** Inhalation. Eye contact.  
**Eyes** Eye contact may result in corneal injury. Contact may irritate or burn eyes. Do not get this material in contact with eyes.  
**Skin** Avoid contact with the skin.  
**Inhalation** May cause cancer by inhalation. Prolonged inhalation may be harmful. Avoid breathing dust/fume/gas/mist/vapors/spray.  
**Ingestion** Do not ingest.  
**Target organs** Eyes.  
**Chronic effects** Conjunctiva.  
**Signs and symptoms** Corneal damage. Conjunctivitis.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
CARBON BLACK	1333-86-4	1 - 2.5
Other components below reportable levels		90 - 100

## 4. First Aid Measures

### First aid procedures

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

**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 symptoms occur.

**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 symptoms occur.

**Ingestion**

Rinse mouth. 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. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**General advice**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. IF exposed or concerned: Get medical advice/attention. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation.

**5. Fire Fighting Measures****Flammable properties**

The product is not flammable. No unusual fire or explosion hazards noted.

**Extinguishing media****Suitable extinguishing media**

Water.

**Fire fighting equipment/instructions**

In the event of fire, cool tanks with water spray.

**Specific methods**

Cool containers exposed to flames with water until well after the fire is out.

**6. Accidental Release Measures****Personal precautions**

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Keep upwind. Keep out of low areas.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Following product recovery, flush area with water. For waste disposal, see section 13 of the MSDS.

**7. Handling and Storage****Handling**

Do not get this material in contact with eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin. Avoid prolonged exposure. Handle and open container with care.

**Storage**

Keep container tightly closed. Keep out of the reach of children. Use care in handling/storage.

**8. Exposure Controls / Personal Protection****Occupational exposure limits****US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
CARBON BLACK (1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
<b>Additional components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
INERT OR NUISANCE DUSTS (SEQ250)	TWA	3 mg/m3	Respirable particles.
		10 mg/m3	Inhalable particles.

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

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

<b>Engineering controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Do not get in eyes. Chemical goggles are recommended. Eye wash fountain is recommended.
<b>Skin protection</b>	Wear protective gloves.
<b>Respiratory protection</b>	Wear positive pressure self-contained breathing apparatus (SCBA).
<b>General hygiene considerations</b>	Do not get in eyes. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

## 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/cm <sup>3</sup> estimated

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	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.

<b>Local effects</b>	Contact may irritate or burn eyes.
<b>Chronic effects</b>	Hazardous by OSHA criteria. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

**Carcinogenicity** Hazardous by OSHA criteria. Risk of cancer cannot be excluded with prolonged exposure.

**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. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

**Waste from residues / unused products** Not applicable.

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

## 14. Transport Information

**DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

## 15. Regulatory Information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2))**

Not regulated.

**DEA Essential Chemical Code Number**

Not regulated.

**Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**

Not regulated.

**DEA Exempt Chemical Mixtures Code Number**

Not regulated.

**CERCLA (Superfund) reportable quantity**

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes

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

**State regulations** WARNING: This product contains a chemical known to the State of California to cause cancer.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

CARBON BLACK (CAS 1333-86-4) Listed: February 21, 2003 Carcinogenic.

**US - New Jersey RTK - Substances: Listed substance**

CARBON BLACK (CAS 1333-86-4) Listed.

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**

CARBON BLACK (CAS 1333-86-4) Listed.

**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**

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

Product and Company Identification: Alternate Trade Names