



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** GF-60 FLASHING MEMBRANE  
**Version #** 04  
**Revision date** 24-February-2011  
**Chemical description** KEE/PVC/Polyester Fabric  
**CAS #** Mixture  
**Manufacturer information** CETCO  
Building Materials Group  
2870 Forbs Avenue  
Hoffman Estates, IL 60192 US  
safety.data@amcol.com  
<http://www.cetco.com/>  
General Information (800) 527-9948  
CHEMTREC® (800) 424-9300

## 2. Hazards Identification

**Emergency overview** Health injuries are not known or expected under normal use.

**Potential health effects**

**Eyes** Health injuries are not known or expected under normal use. Fumes released during thermal processing may cause eye irritation.

**Skin** Health injuries are not known or expected under normal use. Not expected to be a primary skin irritant. Fumes released during thermal processing may cause skin irritation.

**Inhalation** Health injuries are not known or expected under normal use. Inhalation of vapors/fumes generated by heating this product may cause respiratory irritation with throat discomfort, coughing or difficulty breathing.

**Ingestion** Health injuries are not known or expected under normal use.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
TRADE SECRET	Proprietary	20 - 40

**Composition comments** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

## 4. First Aid Measures

### First aid procedures

**Eye contact** Remove to fresh air. Get medical attention if irritation develops or persists.

**Skin contact** Wash off with soap and water. Get medical attention if irritation develops or persists.

**Inhalation** Remove to fresh air. Call a physician if symptoms develop or persist.

**Ingestion** No need for first aid is anticipated if material is swallowed. If ingestion of a large amount does occur, seek medical attention.

## 5. Fire Fighting Measures

**Flammable properties** None known.

**Extinguishing media**

**Suitable extinguishing media** Dry chemical, foam, water fog. CO2 or Halon may provide limited control.

**Fire fighting equipment/instructions** Not available.

## 6. Accidental Release Measures

**Environmental precautions** No special environmental precautions required.

**Methods for containment** None necessary.

**Methods for cleaning up** No conditions to be specially mentioned. Not relevant for the product itself.

## 7. Handling and Storage

<b>Handling</b>	Keep away from heat and flame. Use this product with adequate ventilation. Avoid breathing fumes if this product is used at high temperatures.
<b>Storage</b>	Keep away from heat and flame. No special restrictions on storage with other products.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

ACGIH Components	Type	Value	Form
TRADE SECRET (Proprietary)	TWA	1.0000 mg/m3	Respirable fraction.

U.S. - OSHA Components	Type	Value
TRADE SECRET (Proprietary)	STEL	5.0000 ppm
	TWA	1.0000 ppm

**Exposure guidelines** Contains no substances with occupational exposure limit values.

### Personal protective equipment

<b>Eye / face protection</b>	Not normally needed.
<b>Skin protection</b>	Not normally needed. When material is heated, wear gloves to protect against thermal burns.
<b>Respiratory protection</b>	No personal respiratory protective equipment normally required. When dusts or thermal processing fumes are generated and ventilation is not sufficient to effectively remove them, appropriate NIOSH/MSHA approved respiratory protection must be provided.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Fabric/Mat
<b>Color</b>	Various.
<b>Odor</b>	Vinegar-like.
<b>Odor threshold</b>	Not available.
<b>Physical state</b>	Solid
<b>Form</b>	Sheets.
<b>pH</b>	Not available.
<b>Melting point/Freezing point</b>	Not available.
<b>Boiling point</b>	> 350 °F (> 176.7 °C)
<b>Flash point</b>	> 250 °F (> 121.1 °C)
<b>Evaporation rate</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>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Heavier than Air
<b>Specific gravity</b>	0.46868 estimated 1.2 - 1.3
<b>Relative density</b>	0.4686 lb/cu ft estimated
<b>Solubility (water)</b>	Insoluble
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>VOC</b>	0 % estimated
<b>Percent volatile</b>	< 2 % 0 % estimated

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable at normal conditions. No hazards to be especially mentioned.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	None known.
<b>Hazardous decomposition products</b>	Thermal decomposition can lead to release of irritating gases and vapors. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
<b>Possibility of hazardous reactions</b>	Will not occur.

## 11. Toxicological Information

<b>Acute effects</b>	Inhalation of decomposition products in high concentration may cause shortness of breath (lung edema).
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### Carcinogenicity

#### ACGIH Carcinogens

TRADE SECRET (CAS Proprietary) A4 Not classifiable as a human carcinogen.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

TRADE SECRET (CAS Proprietary) 3 Not classifiable as to carcinogenicity to humans.

#### US OSHA Specifically Regulated Substances: Potential cancer hazard

TRADE SECRET (CAS Proprietary) Potential cancer hazard.

## 12. Ecological Information

<b>Ecotoxicity</b>	This material is not expected to be harmful to aquatic life.
<b>Environmental effects</b>	Ecological injuries are not known or expected under normal use.
<b>Persistence and degradability</b>	Not available.

## 13. Disposal Considerations

<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations.
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## 14. Transport Information

### DOT

Not regulated as dangerous goods.

## 15. Regulatory Information

<b>US federal regulations</b>	OSHA Process Safety Standard: This material is not known to be hazardous by the OSHA Highly Hazardous Process Safety Standard, 29 CFR 1910.119.
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### CERCLA (Superfund) reportable quantity

None

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

**Hazard categories**  
Immediate Hazard - No  
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
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)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
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** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**US - New Jersey Community RTK (EHS Survey): Reportable threshold**

TRADE SECRET (CAS Proprietary) 500 LBS

**16. Other Information**

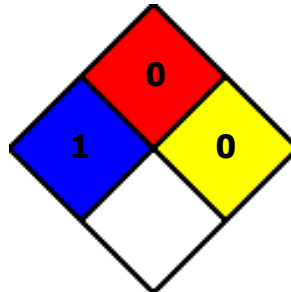
**Recommended restrictions** Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.

**Further information** This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

**HMIS ratings**



**NFPA ratings**



**Disclaimer**

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**Issue date**

24-February-2011