



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name COREFLASH® NR
Version # 04
Revision date 24-February-2011
Chemical description KEE/PVC Membrane
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	40 - 60

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

Handling	Keep away from heat and flame. Use this product with adequate ventilation. Avoid breathing fumes if this product is used at high temperatures.
Storage	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

Eye / face protection	Not normally needed.
Skin protection	Not normally needed. When material is heated, wear gloves to protect against thermal burns.
Respiratory protection	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.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance	Fabric/Mat
Color	Various.
Odor	Vinegar-like.
Odor threshold	Not available.
Physical state	Not available.
Form	Sheets.
pH	Not available.
Melting point/Freezing point	Not available.
Boiling point	> 350 °F (> 176.7 °C)
Flash point	> 250 °F (> 121.1 °C)
Evaporation rate	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	Heavier than Air
Specific gravity	1.2 - 1.3
Relative density	0.703 lb/cu ft estimated
Solubility (water)	Insoluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
VOC	Not available.
Percent volatile	< 2 %

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions. No hazards to be especially mentioned.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	None known.
Hazardous decomposition products	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.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Acute effects	Inhalation of decomposition products in high concentration may cause shortness of breath (lung edema).
----------------------	--

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

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

13. Disposal Considerations

Disposal instructions	Dispose in accordance with all applicable regulations.
------------------------------	--

14. Transport Information

DOT

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations	OSHA Process Safety Standard: This material is not known to be hazardous by the OSHA Highly Hazardous Process Safety Standard, 29 CFR 1910.119.
-------------------------------	---

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)	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 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

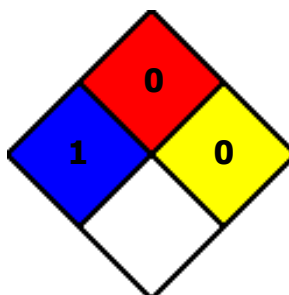
16. Other Information

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

HMIS ratings

HMIS®	HMIS®	HMIS®	HMIS®	HMIS®	HMIS®	HMIS®	HMIS®
HEALTH	*	1					
FLAMMABILITY		0					
PHYSICAL HAZARD		0					
PERSONAL PROTECTION							
HMIS®	HMIS®	HMIS®	HMIS®	HMIS®	HMIS®	HMIS®	HMIS®

NFPA ratings



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.

Third party materials: Insofar as materials not manufactured or supplied by this manufacturer are used in conjunction with, or instead of this product, it is the responsibility of the customer to obtain, from the manufacturer or supplier, all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of this product in conjunction with materials from another supplier. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Issue date 24-February-2011