



Material Safety Data Sheet

Thermoplastic Polyolefin (TPO) Flashing Membrane

PPC1CF1.5-GAF Gray Material Safety Data Sheet

Date of Preparation: 07/09/2010

MSDS No. B56303 PPC1CF1.5-GAF Gray

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: PPC1 CF1.5-GAF Gray

Chemical Formula: Thermoplastic Olefin

Other Designations: N/A

Manufacture: Mortar Net USA, L.T.D. 326 Melton Road Burns Harbor, IN 46304 8006646638

United States Official Harmonized Tariff Schedule (HTS):3902.30.00.00(3902.30.99) (Number does not infer NAFTA clearance)

HMS H 1 F 1

***** Emergency Overview *****

Molten material can cause severe burns to skin. Wear protective clothing when working with or near molten material.

Do Not allow material to enter streams or waterways per 40 CFR 122.26, "Significant Material"

THIS PRODUCT IS NOT A HAZARDOUS MATERIAL AS DEFINED IN 29 CFR 1910.1200.

Section 2 - Composition / Information on Ingredients

Please note that the following listed ingredients pose little to no air contamination hazard because of encapsulation in polymer and are disclosed for reporting purposes only.

Table with 3 columns: Ingredient Name, CAS Number, % wtor% vol. Rows include Titanium Dioxide, Carbon Black, Calcium Carbonate, and Poly[[[6-(1,1,3,3-tetramethylbutyl)amino]-s-triazine-2,4-diy]][[2,2,6,6-tetramethyl-4-piperidyl]imino]hexamethylene[[2,2,6,6-tetrame

Section 3 - Physical and Chemical Properties

Table with 2 columns: Property and Value. Rows include Physical State (Solid), Appearance and Odor (Pellet form - Essentially Odorless), Odor Threshold (Slight Odor), Specific Gravity (0.97-1.01), Water Solubility (Insoluble), % Volatile (<1%), and Evaporation Rate (<1).

Section 4 - Fire-Fighting Measures

Table with 2 columns: Measure and Description. Rows include Auto Ignition Temperature (>357°C (675°F)), Flammability Classification (I), Extinguishing Media (Carbon Dioxide, Water Fog, Foam), Unusual Fire or Explosion Hazards (None), Fire-Fighting Instructions (Do not release pellet containing runoff from fire control methods to sewers or waterways), and Fire-Fighting Equipment (Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode).



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Section 5 - Stability and Reactivity

Stability: Stable at room temperature in closed containers under normal storage and handling conditions.
 Polymerization: Hazardous polymerization cannot occur.
 Chemical Incompatibilities: Strong Oxidizing Agents
 Conditions to Avoid: Same as above
 Hazardous Decomposition Products: Thermal oxidative decomposition may yield carbon monoxide, carbon dioxide and low molecular weight hydrocarbons.

Section 6 - Health Hazard Information

Potential Health Effects

Primary Entry Routes: Low risk of entry in present form

Acute Effects

Inhalation: Low hazard for usual industrial or commercial handling. Not likely to dust. Fumes can cause irritation.
 Eye: Same as above
 Skin: Ingestion: Same as above
 Carcinogenicity: Is not expected to occur. If swallowed, may physically irritate digestive system. IARC, NTP, and OSHA do not list this product as a carcinogen.

AC	Carbon Black*	IARC: Group 2B (Possible Human Carcinogen)
OSHA:		GIH: A4 (Not Classifiable as a Human Carcinogen)
		No
		NTP: No
ACGIH:	Titanium Dioxide*	IARC: Group 2B (Possible Human Carcinogen)
OSHA:		Not Classifiable
		No
		NTP: No

Total Dust Exposure Limits:

ACGIH:	Carbon Black*	OSHA: 3.5 mg/m ³ TWA
		3.5 mg/m ³ TWA
ACGIH:	Calcium Carbonate	OSHA: 15 mg/m ³ TWA
		10mg/m ³ TWA
ACGIH:	Titanium Dioxide*	OSHA: 15 mg/m ³ TWA
		10mg/m ³ TWA

*As Airborne Contaminant only

Emergency and First Aid Procedures

Inhalation: If breathing is difficult, remove to fresh air, call a physician.
 Eye Contact: Flush eyes with plenty of water for at least 15 minutes, call a physician.
 Skin Contact: The compound is not likely to be hazardous, but cleansing the skin after use is advisable.
 Ingestion: No specific intervention is indicated as compound is not likely to be hazardous. However, if symptoms of gastrointestinal irritation occur, consult a physician.

After first aid, get appropriate in-plant, paramedic, or community medical support.



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Section 7 - Spill, Leak, and Disposal Procedures

Spill/Leak Procedures: Shut off source, advise authorities of possible floating material. Substance is non-toxic.
Containment: Do not release into sewers or waterways. Plastic pellets are defined by USEPA under the Clean Water Act (40 CFR 122.26 as a "Significant Material" which may require a storm water permit.
Cleanup: Place waste in box or other container suitable for recycle or disposal.
Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).
Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134).

Protective Clothing / Equipment: Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protection devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Special Precautions and Comments

Handling Precautions: Wear gloves when material is in molten state and cover other body areas if contact is possible.
Storage Requirements: Do not store near flame or heat.

Section 10-Regulatory Information

U.S Federal Regulations:

SARA 313 Reporting Requirements:

100-41-4 Benzene, ethyl-($<0.0007\%$):	de minimis concentration= 0.1
1330-20-7 Benzene, dimethyl-($<0.0007\%$):	de minimis concentration= 1.0



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Clean Air Act-Hazardous Air Pollutants (HAP)/Act 111 Volatile Organic Compounds (VOC)

100-41-4 Benzene, ethyl- (<0.0007%)
1330-20-7 Benzene, dimethyl-(<0.0007%)

Clean Water Act Priority Pollutants List:

No Reportable Substance

RCRA Ground Water List:

No Reportable Substance

Toxic Substance Control Act (TSCA) Inventory:

1330-20-7 Benzene, dimethyl- (<0.0007%)-12b Export Notification

State Regulations:

New Jersey Right to Know Substance List: Carbon Black, Titanium Dioxide
Massachusetts Substance List: Carbon Black, Calcium Carbonate, Titanium Dioxide
Pennsylvania Environmental Hazard List: Carbon Black, Calcium Carbonate, Titanium Dioxide
California Proposition 65: Carbon Block, 100-41-4 Benzene, ethyl-(<0.0007)

International Regulations:

Materials contained in this product that are listed on the following international lists:

Canadian-DSL/NDSL:

All materials

EU-EINECS/ELINCS:

All materials

Australian Hazardous Substance Inventory System:

Carbon Black
Benzene, ethyl- (<0.0007%)
Benzene, dimethyl-(<0.0007%)

DOT Transportation Data (49 CFR 172.101)

Shipping Name: PPCICF1.5-GAF Gray

Prepared By: Technology Department

Revision Notes: Any questions call 724-228-1260, ext. 4386

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