

# FireShield® EPDM

## Material Safety Data Sheet

Updated: 12/08



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**GAF Materials Corporation**  
**Material Safety Data Sheet**  
**MSDS # 2072**  
**MSDS Date: December 2008**

**SECTION 1: PRODUCT AND COMPANY INFORMATION**

**PRODUCT NAME:** FireShield® EPDM  
**TRADE NAME:** FireShield®  
**CHEMICAL NAME / SYNONYM:** N/A  
**CHEMICAL FAMILY:** N/A  
**MANUFACTURER:** GAF Materials Corporation  
**ADDRESS:** 1361 Alps Road, Wayne, NJ 07470  
**24-HOUR EMERGENCY PHONE (CHEMTREC):** 800 – 424 – 9300  
**INFORMATION ONLY:** 800 – 766 – 3411  
**PREPARED BY:** Corporate EHS  
**APPROVED BY:** Corporate EHS

**NFPA Hazard Rating**

**HMIS Hazard Rating**

<b>Health</b>	1	<b>Health</b>	1
<b>Flammable</b>	1	<b>Flammable</b>	1
<b>Reactive</b>	0	<b>Reactive</b>	0
<b>Special Hazards</b>	-	<b>Personal Protection</b>	X

**OSHA HAZARDOUS:** Yes  No

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

**OCCUPATIONAL EXPOSURE LIMITS**

CHEMICAL NAME	CAS #	%(BY WT)	OSHA	ACGIH	OTHER
Calcium Carbonate	1317-65-3	20 – 40	5 mg/m <sup>3</sup> – resp. 15 mg/m <sup>3</sup> – total	3 mg/m <sup>3</sup> – resp. 10 mg/m <sup>3</sup> – total	REL: 5 mg/m <sup>3</sup> – resp., 10 mg/m <sup>3</sup> – total
Titanium Dioxide	13463-67-7	2 – 10	15 mg/m <sup>3</sup> – total	10 mg/m <sup>3</sup> – total	REL: lowest feasible concentration

## OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS #	% (BY WT)	OSHA	ACGIH	OTHER
Zinc Oxide	1314-13-2	2 – 10	5 mg/m <sup>3</sup> – resp. 15 mg/m <sup>3</sup> – total	2 mg/m <sup>3</sup> – resp. 10 mg/m <sup>3</sup> – resp. STEL	REL: 5 mg/m <sup>3</sup> , 15 mg/m <sup>3</sup> – ceiling
Graphite	7782-42-5	2 – 10	15 mppcf	2 mg/m <sup>3</sup> – resp.	REL: 2.5 mg/m <sup>3</sup> – resp.
Propylene Glycol	107-21-1	1 – 10	NE	100 ppm – ceiling	NE
Non-hazardous ingredients	n/a	60 – 75	NE	NE	NE

NE = Not Established

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**SECTION 3: HAZARDS IDENTIFICATION**


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**PRIMARY ROUTE OF EXPOSURE:** Inhalation, Skin Contact, Eye Contact

**SIGNS & SYMPTOMS OF EXPOSURE**

**EYES:** Exposure to vapors can cause irritation to the eyes.

**SKIN:** Slight irritation of the skin. Prolonged contact can cause reddening of the skin.

**INGESTION:** Headaches, nausea and diarrhea.

**INHALATION:** Vapors or mists can cause mental sluggishness, irritation of nasal passages, throat and lungs. Can cause headaches, nausea, diarrhea, and shortness of breath.

**ACUTE HEALTH HAZARDS:** See signs and symptoms of exposure above.

**CHRONIC HEALTH HAZARDS:** None known.

**CARCINOGENICITY:** Titanium Dioxide is classified as a 2B carcinogen (possibly carcinogenic to humans) by the International Agency for Research on Cancer (IARC).

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**SECTION 4: FIRST AID MEASURES**


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**FIRST AID PROCEDURES**

**EYES:** Flush eyes with water for 15 minutes. If irritation persists, call a

physician.

**SKIN:** Wash contaminated skin with soap and water.

**INHALATION:** Remove patient to an area that has fresh air. If breathing has stopped, administer artificial respiration. Contact physician immediately.

**INGESTION:** If the patient is awake, induce vomiting by giving 2 glasses of water and pressing down at back of throat. Call physician immediately. Never give anything by mouth to an unconscious person.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Excessive exposure can cause pulmonary edema.

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#### **SECTION 5: FIRE FIGHTING PROCEDURES**

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**SUITABLE EXTINGUISHING MEDIA:** Water spray, CO<sub>2</sub>, dry chemical or foam.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide and carbon dioxide.

**RECOMMENDED FIRE FIGHTING PROCEDURES:** Self-contained breathing apparatus recommended.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** None known.

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#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**ACCIDENTAL RELEASE MEASURES:** Dam up area to prevent spreading. Caution – area will be slippery. Use absorbent material to dry up the compound. Provide ventilation in closed areas.

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#### **SECTION 7: HANDLING AND STORAGE**

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**HANDLING AND STORAGE:** Store in a well ventilated area at 50 – 80 °F.

**OTHER PRECAUTIONS:** Protect from freezing.

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#### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**ENGINEERING CONTROLS / VENTILATION:** Local exhaust, mechanical ventilation.

**RESPIRATORY PROTECTION:** NIOSH approved respirator.

**EYE PROTECTION:** Chemical splash goggles.

**SKIN PROTECTION:** Impervious type gloves.

**OTHER PROTECTIVE EQUIPMENT:** N/A

**WORK HYGIENIC PRACTICES:** Wash and launder clothing after working with product.

**EXPOSURE GUIDELINES:** N/A

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE &amp; ODOR:</b>	Heavy white liquid with ammonia odor.		
<b>FLASH POINT:</b>	240 °F	<b>LOWER EXPLOSIVE LIMIT:</b>	No data
<b>METHOD USED:</b>	TCC	<b>UPPER EXPLOSIVE LIMIT:</b>	No data
<b>EVAPORATION RATE:</b>	No data	<b>BOILING POINT:</b>	212 °F
<b>pH (undiluted product):</b>	No data	<b>MELTING POINT:</b>	No data
<b>SOLUBILITY IN WATER:</b>	Dilutable in water	<b>SPECIFIC GRAVITY:</b>	1.48
<b>VAPOR DENSITY:</b>	No data	<b>PERCENT VOLATILE:</b>	No data
<b>VAPOR PRESSURE:</b>	No data	<b>MOLECULAR WEIGHT:</b>	No data
<b>VOC WITH WATER (LBS/GAL):</b>	No data	<b>WITHOUT WATER (LBS/GAL):</b>	No data

**SECTION 10: STABILITY AND REACTIVITY**

**THERMAL STABILITY:** **STABLE**  **UNSTABLE**

**CONDITIONS TO AVOID (STABILITY):** N/A

**INCOMPATIBILITY (MATERIAL TO AVOID):** N/A

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Carbon dioxide and carbon monoxide.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**TOXICOLOGICAL INFORMATION:** No information available.

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**SECTION 12: ECOLOGICAL INFORMATION**

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**ECOLOGICAL INFORMATION:** No information available.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL METHOD:** This product, as supplied, is not regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. Comply with state and local regulations for disposal.

**RCRA HAZARD CLASS:** None

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**SECTION 14: TRANSPORTATION INFORMATION**

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**U.S. DOT TRANSPORTATION**

**PROPER SHIPPING NAME:** This product is not classified as a hazardous material for transport.

**HAZARD CLASS:** N/A

**ID NUMBER:** N/A

**PACKING GROUP:** N/A

**LABEL STATEMENT:** N/A

**OTHER:** N/A

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**SECTION 15: REGULATORY INFORMATION**

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**U.S. FEDERAL REGULATIONS**

**TSCA:** This product and its components are listed on the TSCA 8(b) inventory.

CERCLA: None

**SARA**

311/312 HAZARD CATEGORIES: None

313 REPORTABLE INGREDIENTS: None

CALIFORNIA PROPOSITION 65: None

Other state regulations may apply. Check individual state requirements. The following components appear on one or more of the following state hazardous substances lists:

Chemical Name	CAS #	CA	MA	MN	NJ	PA	RI
Calcium Carbonate	1317-65-3	No	Yes	Yes	No	Yes	Yes
Titanium Dioxide	13463-67-7	No	No	Yes	Yes	Yes	Yes
Zinc Oxide	1314-13-2	Yes	No	Yes	Yes	Yes	Yes
Graphite	7782-42-5	Yes	Yes	Yes	Yes	Yes	Yes
Propylene Glycol	107-21-1	No	No	Yes	Yes	No	Yes

**SECTION 16: OTHER INFORMATION**

ADDITIONAL COMMENTS: None

DATE OF PREVIOUS MSDS: November 2004

CHANGES SINCE PREVIOUS MSDS: General MSDS update.

This information relates to the specific material designated and may not be valid for such material used on combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee, expressed or implied, is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license of valid patents.