

FireShield® SB

Material Safety Data Sheet

Updated: 12/04



*Quality You Can Trust Since 1886...
From North America's Largest Roofing Manufacturer™*



SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: FireShield® SB
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

Health	2	Health	2
Flammable	2	Flammable	2
Reactive	0	Reactive	0
Special Hazards	-	Personal Protection	X

OSHA HAZARDOUS: Yes No

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS #	%(BY WT)	OSHA	ACGIH	OTHER
Light aromatic petroleum naphtha	64742-95-6	20 – 40	NE	NE	NE
Aluminum Trihydrate	21645-51-2	20 – 40	5 mg/m ³ – resp. 15 mg/m ³ – total	3 mg/m ³ – resp. 10 mg/m ³ – total	REL: 5 mg/m ³ – resp. 10 mg/m ³ – total

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Updated: 6/09



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OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS #	% (BY WT)	OSHA	ACGIH	OTHER
Titanium Dioxide	13463-67-7	10 – 20	5 mg/m ³ – resp. 15 mg/m ³ – total	3 mg/m ³ – resp. 10 mg/m ³ – total	REL: 5 mg/m ³ – resp. 10 mg/m ³ – total
Stoddard Solvent	8052-41-3	5 – 15	500 ppm	100 ppm	350 mg/m ³
Graphite	7782-42-5	2 – 10	15 mppcf	2 mg/m ³ – resp.	REL: 2.5 mg/m ³ – resp.
Styrene- alphamethylstyrene resin	9011-11-4	2 – 10	NE	NE	NE
Non-hazardous ingredients	n/a	20 – 30	NE	NE	NE

NE = Not Established

SECTION 3: HAZARDS IDENTIFICATION

PRIMARY ROUTE OF EXPOSURE: Inhalation, Skin Contact, Ingestion

SIGNS & SYMPTOMS OF EXPOSURE

EYES: Eye irritant. Contact with the liquid or exposure to mist or vapor may cause stinging, redness and swelling.

SKIN: May cause mild skin irritation. Prolonged contact may cause redness, burning and drying or cracking of the skin. Skin absorption may produce systemic toxicity.

INGESTION: Harmful or fatal if swallowed and /or vomiting occurs. Can enter lungs and cause damage.

INHALATION: High concentrations of vapor or mist may cause irritation of the nose and throat and signs of nervous system depression. Can cause headaches, drowsiness, dizziness, and a loss of coordination. May affect liver and kidney function. Could also cause damage to the respiratory system and have myocardial effects.

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

CHRONIC HEALTH HAZARDS: Respiratory or cardiovascular disorders may be aggravated by exposure to this material.

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

SECTION 4: FIRST AID MEASURES

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: N/A

SECTION 5: FIRE FIGHTING PROCEDURES

- SUITABLE EXTINGUISHING MEDIA:** Water spray, CO2 and foam.
- HAZARDOUS COMBUSTION PRODUCTS:** Carbon dioxide or carbon monoxide.
- RECOMMENDED FIRE FIGHTING PROCEDURES:** Self-contained breathing apparatus recommended.
- UNUSUAL FIRE & EXPLOSION HAZARDS:** Material is flammable and may be ignited by flames, sparks, heat or other sources of ignition.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- ACCIDENTAL RELEASE MEASURES:** Dam up area to prevent spreading of material. Use absorbent material to dry up liquid. Shut off all sources of open flames, electrical sparks or static electricity.

SECTION 7: HANDLING AND STORAGE

- HANDLING AND STORAGE:** Store in a well ventilated area between 50 – 80 °F. Avoid open flames, electrical sparks, or static.

OTHER PRECAUTIONS:

The container is hazardous when empty. Partially full or emptied container may contain explosive vapors. Do not cut, weld or solder on or near the container. Do not reuse empty container without commercial cleaning or reconditioning.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS / VENTILATION:	Local exhaust, mechanical ventilation.
RESPIRATORY PROTECTION:	NIOSH approved respirator.
EYE PROTECTION:	Chemical safety goggles.
SKIN PROTECTION:	Impervious 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

APPEARANCE & ODOR:	Heavy white paste, paint thinner odor (may be colored)		
FLASH POINT:	105 °F	LOWER EXPLOSIVE LIMIT:	0.5%
METHOD USED:	MCC	UPPER EXPLOSIVE LIMIT:	6.0%
EVAPORATION RATE:	.37	BOILING POINT:	310 – 355 °F
pH (undiluted product):	N/A	MELTING POINT:	No data
SOLUBILITY IN WATER:	Not water soluble	SPECIFIC GRAVITY:	1.21
VAPOR DENSITY:	4.2	PERCENT VOLATILE:	No data
VAPOR PRESSURE:	2.9 @ 20 °C	MOLECULAR WEIGHT:	No data
VOC WITH WATER (LBS/GAL):	No data	WITHOUT WATER (LBS/GAL):	No data

SECTION 10: STABILITY AND REACTIVITY

THERMAL STABILITY: STABLE X UNSTABLE

CONDITIONS TO AVOID (STABILITY): N/A

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents.

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

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: No information available.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This product, as supplied, is regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. If discarded in its purchased form, this product is a RCRA hazardous waste. It is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or residue of the product remains classified a hazardous waste as per 40 CFR 261, Subpart C. State or local regulations may also apply if they differ from the federal regulation.

RCRA HAZARD CLASS: D001, Ignitable hazardous waste

SECTION 14: TRANSPORTATION INFORMATION

U.S. DOT TRANSPORTATION

PROPER SHIPPING NAME: Flammable Liquid N.O.S.

HAZARD CLASS: 3

ID NUMBER: UN 1993
PACKING GROUP: III
LABEL STATEMENT: Class 3 Flammable Liquid Label
OTHER: N/A

SECTION 15: REGULATORY INFORMATION**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: Acute Health Hazard, Chronic Health Hazard, Fire Hazard

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
Light aromatic petroleum naphtha	64742-95-6	No	No	No	No	No	No
Aluminum Trihydrate	21645-51-2	No	No	No	No	No	No
Titanium Dioxide	13463-67-7	No	No	Yes	Yes	Yes	Yes
Stoddard Solvent	8052-41-3	Yes	Yes	Yes	Yes	Yes	Yes
Graphite	7782-42-5	Yes	Yes	Yes	Yes	Yes	Yes
Styrene-alpha-methylstyrene resin	9011-11-4	No	No	No	No	No	No

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None

DATE OF PREVIOUS MSDS: December 2004

CHANGES SINCE PREVIOUS MSDS: Changed to the ANSI 16 section MSDS format.

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.