



GAF
Safety Data Sheet
SDS # 2114
SDS Date: April 2023

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: VersaShield Fire-Resistant Roof Deck Protection

MANUFACTURER: GAF

ADDRESS: 1 Campus Drive, Parsippany, NJ 07054

24-HOUR EMERGENCY PHONE (CHEMTREC): 800 – 424 – 930

INFORMATION ONLY: 877 – GAF – ROOF

PREPARED BY: Corporate EHS

APPROVED BY: Corporate EHS

SECTION 2: HAZARDS IDENTIFICATION

As defined in the OSHA Hazard Communication Standard, 29 CFR 1910.1200, the products listed below are considered articles and do not require an SDS. In addition, articles are not included in the scope of the Globally Harmonization System (GHS). As such, the GHS labeling elements are not included on this SDS. All components listed for this product are bound within the product. When handled as intended and under normal conditions of use, there is no evidence that any of the ingredients are released in amounts that pose a significant health risk. Although these products are not subject to the OSHA Standard or GHS labeling elements, GAF would like to disclose as much health and safety information as possible to ensure that this product is handled and used properly. This SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and be made available for employees and other users of this product. In addition, the recommendations for handling and use of these products should be included in worker training programs.

ADDITIONAL HAZARD IDENTIFICATION INFORMATION:

PRIMARY ROUTE OF EXPOSURE: Skin contact, Eye contact

SIGNS & SYMPTOMS OF EXPOSURE

EYES: Potential for eye irritation.

SKIN: Potential for skin irritation.

INGESTION: Not expected to be ingested.

INHALATION: Potential for respiratory tract irritation.

ACUTE HEALTH HAZARDS: Excessive grinding or abrasion of this product may create airborne dust and fiber concentrations in excess of exposure limits.

Exposure to concentrations in excess of the exposure limits may cause severe respiratory irritation, skin irritation and/or eye irritation.

CHRONIC HEALTH HAZARDS:

Repeated and/or prolonged exposure to dust and fibers at concentrations in excess of exposure limits may result in respiratory damage, chronic skin irritation and/or eye injury.

CARCINOGENICITY:

The International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP) have determined that there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite. In addition, IARC has determined that there is sufficient evidence for the carcinogenicity of quartz and cristobalite in experimental animals. Among individuals with silicosis, lung cancer occurs more frequently in those who smoke.

Sulfuric acid contained in strong inorganic acids mists is classified as a group 1 carcinogen (carcinogenic to humans) by the International Agency for Research on Cancer (IARC).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% (BY WT)	OCCUPATIONAL EXPOSURE LIMITS		
			OSHA	ACGIH	OTHER
Limestone	1317-65-3	45 - 55	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
Graphite	7782-42-5	20 -30	15 mppcf	2 mg/m ³ – resp.	REL: 2.5 mg/m ³ – resp.
Fibrous Glass	65997-17-3	10 – 25	1 f/cc – resp.	1 f/cc – resp.	REL: 5 mg/m ³ – total fibers
Aluminum Trihydrate	21645-51-2	5 - 10	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
Sulfuric Acid (bound in graphite)	7664-93-9	0 – 6	1 mg/m ³	0.2 mg/m ³	REL: 1 mg/m ³
Crystalline Silica	14808-60-7	0 – 0.10	50 mcg/m ³ / (% SiO ₂ + 2) – resp.	0.025 mg/m ³	REL: 0.05 mg/m ³ – resp.
Non-hazardous ingredients	-	5 – 15	NE	NE	NE

NE = Not Established

SECTION 4: FIRST AID MEASURES

FIRST AID PROCEDURES

EYES:	Flush with clean water for at least 15 minutes. Seek medical attention if irritation persists.
SKIN:	Flush with clean water for at least 15 minutes. Seek medical attention if irritation persists.
INHALATION:	Remove affected persons from source of exposure. Seek medical attention if irritation persists or if affected persons develop breathing difficulties.
INGESTION:	This product is not intended for consumption or direct contact with any type of food or beverage. Seek medical attention if this product is ingested.
NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:	None.

SECTION 5: FIRE FIGHTING PROCEDURES

SUITABLE EXTINGUISHING MEDIA:	Water, Foam, Dry Chemical, Sand and Carbon Dioxide.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon dioxide and carbon monoxide.
RECOMMENDED FIRE FIGHTING PROCEDURES:	Treat with generally accepted practices for combustible products.
UNUSUAL FIRE & EXPLOSION HAZARDS:	None.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:	Collect spilled material in appropriate containers for reuse or disposal. Avoid dry sweeping and other spill removal procedures that may create airborne dust and fibers.
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SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:	No specific handling or storage requirements.
OTHER PRECAUTIONS:	None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS /
VENTILATION:**

Use of this product is not anticipated to require more than general room ventilation during normal conditions of use that are in accordance with the manufacturer's specified applications. However, use of this product in other applications not specified by the manufacturer could potentially generate airborne dust and fibers that may require additional mechanical exhaust to prevent employee overexposures. Excessive grinding or abrasion of this product may create airborne dust and fiber concentrations in excess of exposure limits. If employee exposures exceed the exposure limits, local exhaust ventilation or other mechanical ventilation systems may be required to reduce such exposures to concentrations below the exposure limits.

RESPIRATORY PROTECTION:

If employee exposures exceed applicable exposure limits, respiratory protection should be worn. Only NIOSH-approved respirators should be worn. Selection and use of specific respirators should meet applicable standards set by state and Federal OSHA standards for respiratory protection and for the specific substances and concentrations to which employees are exposed.

EYE PROTECTION:

Wear safety glasses with sideshields or safety goggles.

SKIN PROTECTION:

Wear sturdy work gloves and intact clothing with long sleeves and long pants.

OTHER PROTECTIVE EQUIPMENT:

Wear appropriate closed-toe shoes or boots.

WORK HYGIENIC PRACTICES:

Employees should avoid eating, drinking, chewing, smoking, taking medication and applying cosmetics in work areas where this product is being installed or removed. Employees should wash their hands and other exposed areas of skin after handling this product and before smoking or consuming anything. Employees should shower at the end of each work shift after installing or removing this product. Work clothing should be washed separately and the washing machine should be wiped out at the end of the washing cycle.

EXPOSURE GUIDELINES:

None.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR:	Gray-colored, mineral-filled mat; odorless.		
FLASH POINT:	No data	LOWER EXPLOSIVE LIMIT:	No data
METHOD USED:	No data	UPPER EXPLOSIVE LIMIT:	No data
EVAPORATION RATE:	No data	BOILING POINT:	No data
pH (undiluted product):	No data	MELTING POINT:	No data
SOLUBILITY IN WATER:	Insoluble	SPECIFIC GRAVITY:	No data
VAPOR DENSITY:	No data	PERCENT VOLATILE:	No data
VAPOR PRESSURE:	No data	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** **UNSTABLE**

CONDITIONS TO AVOID (STABILITY): None.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong acids will react with the limestone component releasing carbon dioxide gas.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Monoxide, Carbon Dioxide and Hydrocarbons will result from incomplete combustion of the organic binder if involved in a fire.

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: Comply with state and local regulations for disposal.

RCRA HAZARD CLASS: None

SECTION 14: TRANSPORTATION INFORMATION

US DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

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

CERCLA: CERCLA Hazardous Substances (40 CFR 302)

Reportable Quantity – Components

Sulfuric acid, 7664-93-9, 1000 lbs.

SARA

311/312 HAZARD CATEGORIES: Acute Health Hazard, Chronic Health Hazard

313 REPORTABLE INGREDIENTS: Sulfuric acid, 7664-93-9, 0 – 6%

CALIFORNIA PROPOSITION 65: This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.
Cancer: Crystalline Silica.

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
Limestone	1317-65-3	No	Yes	Yes	No	Yes	Yes
Graphite	7782-42-5	Yes	Yes	Yes	Yes	Yes	Yes
Fibrous Glass	65997-17-3	Yes	No	Yes	Yes	No	Yes
Aluminum Trihydrate	21645-51-2	No	No	No	No	No	No
Sulfuric Acid	7664-93-9	Yes	Yes	Yes	Yes	Yes	Yes
Crystalline Silica	14808-60-7	Yes	Yes	Yes	Yes	Yes	Yes

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None

DATE OF PREVIOUS SDS: January 2014

CHANGES SINCE PREVIOUS SDS: Section 3

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.