



**GAF**  
**Safety Data Sheet**  
**SDS # 4082**  
**SDS Date: December 2021**

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**SECTION 1: PRODUCT AND COMPANY INFORMATION**

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**PRODUCT NAME:** DEXcell® Glass Mat Roof Board  
DEXcell FA™ Glass Mat Roof Board  
DEXcell FA VSH™ Glass Mat Roof Board

**PRODUCT FAMILY:** Roof coverboards and roof underlayments

**MANUFACTURER:** GAF

**ADDRESS:** 1 Campus Drive, Parsippany, NJ 07054

**24-HOUR EMERGENCY  
PHONE (CHEMTREC):** 800 – 424 – 9300

**INFORMATION ONLY:** 877-GAF-ROOF

**APPROVED BY:** Corporate EHS

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**SECTION 2: HAZARDS IDENTIFICATION**

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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.

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**ADDITIONAL HAZARD IDENTIFICATION INFORMATION:**

**PRIMARY ROUTE OF EXPOSURE:** Occasional nuisance dust, Inhalation.

**SIGNS & SYMPTOMS OF EXPOSURE**

**EYES:** May cause mechanical irritation.

**SKIN:** May cause burns, irritation, itching or dermatitis.

**INGESTION:** This product is not intended to be ingested. If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract.

**INHALATION:**

May cause irritation to the respiratory tract.

**ACUTE HEALTH HAZARDS:**

Skin and eye irritation.

**CHRONIC HEALTH HAZARDS:**

This product contains crystalline silica (quartz) as a naturally occurring impurity in some of the raw materials.

Studies in humans have found that exposure to respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis is a serious and irreversible disease; it may be progressive even after exposure has ceased; it can lead to disability and death. Human studies also have found that silicosis is a risk factor for tuberculosis, and that occupational exposure to respirable crystalline silica is associated with chronic obstructive pulmonary disease, including bronchitis and emphysema. Some studies show excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end-stage kidney disease in workers exposed to respirable crystalline silica.

**CARCINOGENICITY:**

Occupational exposure to respirable crystalline silica is classified as a known carcinogen in humans. IARC has determined that respirable crystalline silica is carcinogenic to humans (Group 1), based on findings of sufficient evidence of carcinogenicity in both humans and experimental animals. NTP has classified respirable crystalline silica as a known human carcinogen based on sufficient evidence of carcinogenicity from studies in humans indicating a causal relationship between occupational exposure to respirable crystalline silica and increased lung cancer rates. NIOSH has determined that respirable crystalline silica is a potential occupational carcinogen.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

			OCCUPATIONAL EXPOSURE LIMITS	
CHEMICAL NAME	CAS #	% (BY WT)	OSHA	ACGIH
Calcium Sulfate Dihydrate (with crystalline silica impurities)	13397-24-5	>91	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)	10 mg/m <sup>3</sup> (total dust)
Mixture-calcium, aluminum silicates,	65997-17-3	<4	NE	NE

amorphous silica				
Silica, Crystalline (Quartz)	14808-60-7	Trace	50 ug/m3	0.025 mg/m3

NE = Not Established

#### SECTION 4: FIRST AID MEASURES

##### FIRST AID PROCEDURES

**EYES:** Hold eyelids open and wash with gentle stream of water for at least 15 minutes preferably at eyewash fountain. Seek medical attention if irritation persists.

**SKIN:** Flush and wash skin with soap and water. Utilize lotions to alleviate dryness if present. Seek medical attention if irritation persists.

**INHALATION:** Remove to fresh uncontaminated air. If breathing difficulty persists, seek medical attention

**INGESTION:** This product is not expected to be ingested and no harmful effects are expected upon ingestion of small amounts. Larger amounts may cause abdominal discomfort or possible obstruction of the digestive tract. Seek medical attention if problems persist.

**MEDICAL CONDITIONS AGGREGATED BY EXPOSURE:** Pre-existing upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema and asthma. Pre-existing skin diseases such as, but not limited to, rashes and dermatitis.

#### SECTION 5: FIRE FIGHTING PROCEDURES

**SUITABLE EXTINGUISHING MEDIA:** Water, alcohol foam, carbon dioxide, or dry chemical.

**HAZARDOUS COMBUSTION PRODUCTS:** None known. Above 1450 deg. C, material can decompose and release sulfur dioxide (SO<sub>2</sub>) and oxides of carbon.

**RECOMMENDED FIRE FIGHTING PROCEDURES:** NIOSH-approved self contained breathing apparatus is recommended for smoke protection.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** Not applicable.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Pick up large pieces. Avoid creating dust during clean up. This product does not present an ecological hazard to the environment. Dispose of in accordance with applicable federal, state, and local regulations.

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

Avoid breathing dust. Minimize generation of dust. Provide appropriate exhaust ventilation at places where dust is formed. Store material in a cool, dry, ventilated area, away from excessive heat or sunlight. Store panels flat to minimize damage and warping. Do not stack panels too high when storing to minimize the risk of falling.

**OTHER PRECAUTIONS:**

Avoid contact with eyes, skin and clothing. Wear recommended PPE when handling.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****ENGINEERING CONTROLS /  
VENTILATION:**

Not applicable.

**RESPIRATORY PROTECTION:**

Not required under normal use conditions. In circumstances where dust or fumes are generated and may exceed recognized allowable exposure levels, appropriate NIOSH approved respiratory protection is recommended.

**EYE PROTECTION:**

Safety glasses with side shields

**SKIN PROTECTION:**

Cotton or leather gloves are recommended when handling.

**OTHER PROTECTIVE EQUIPMENT:**

None

**WORK HYGIENIC PRACTICES:**

Utilize wet methods, when appropriate, to reduce generation of dust. Wash exposed skin prior to eating, drinking or smoking and at the end of each shift.

**EXPOSURE GUIDELINES:**

These products should be handled using methods and techniques that minimize or eliminate dust generation.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE &amp; ODOR:</b>	Coated gypsum board with a white/gray core. No odor.		
<b>FLASH POINT:</b>	Not Applicable	<b>LOWER EXPLOSIVE LIMIT:</b>	Not Applicable
<b>METHOD USED:</b>	Not Applicable	<b>UPPER EXPLOSIVE LIMIT:</b>	Not Applicable
<b>EVAPORATION RATE:</b>	Not Applicable	<b>BOILING POINT:</b>	Not Applicable
<b>pH (undiluted product):</b>	Not Applicable	<b>MELTING POINT:</b>	Not Applicable
<b>SOLUBILITY IN WATER:</b>	2.1 g/L	<b>SPECIFIC GRAVITY:</b>	No Data

<b>RELATIVE DENSITY:</b>	2.3 g/cc	<b>PERCENT VOLATILE:</b>	Not Applicable
<b>VAPOR PRESSURE:</b>	Not Applicable	<b>MOLECULAR WEIGHT:</b>	Not Applicable
<b>VOC WITH WATER (LBS/GAL):</b>	Not Applicable	<b>WITHOUT WATER (LBS/GAL):</b>	Not Applicable

**SECTION 10: STABILITY AND REACTIVITY**

**THERMAL STABILITY:** **STABLE** ☒ **UNSTABLE** ☐

**CONDITIONS TO AVOID (STABILITY):** None known.

**INCOMPATIBILITY (MATERIAL TO AVOID):** None known.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** None known. Above 1450 C, material can decompose and release sulfur dioxide (SO<sub>2</sub>) and oxides of carbon.

**HAZARDOUS POLYMERIZATION:** Will not occur

**SECTION 11: TOXICOLOGICAL INFORMATION**

**TOXICOLOGICAL INFORMATION:** **INGESTION**  
Not a likely route of exposure. May result in obstruction or temporary irritation of the digestive tract.

**INHALATION**  
Dust may irritate the respiratory system. Chronic exposure may result in lung disease. (See below)

**SKIN CONTACT**  
May cause burns, irritation, itching or dermatitis. (See below).

**EYE CONTACT**  
May cause mechanical irritation.

Acute exposure to airborne dust concentrations in excess of the PEL/TLV may result in coughing, dyspnea, wheezing, and a burning irritation of the nose, throat, and upper respiratory tract, along with possible impaired pulmonary function. Chronic exposure to crystalline silica (a naturally occurring contaminant) in the respirable size has been shown to cause silicosis, a debilitating lung disease, and lung cancer. Continued and prolonged contact may result in drying of the skin. Contact with dust or glass fibers may produce itching, rash and/or redness. Repeated or prolonged exposure may result in dermatitis.

**CARCINOGENICITY:**

This product contains crystalline silica (quartz) as a naturally occurring impurity in some of the raw materials. The International Agency for Research on Cancer (IARC) classifies crystalline silica inhaled in the form of quartz or cristobalite from occupational sources as carcinogenic to humans, Group 1. The National Toxicology Program (NTP) classifies respirable crystalline silica as a substance which may be reasonably anticipated to be a carcinogen. OSHA does not regulate crystalline silica as a human carcinogen. Exposures to respirable crystalline silica are not expected during the recommended use of this product. Industrial hygiene monitoring to

date has not identified any detectable respirable crystalline silica in dust sampling conducted utilizing recommended application procedures. However, actual levels must be determined by workplace hygiene testing

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**SECTION 12: ECOLOGICAL INFORMATION**

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**ECOLOGICAL INFORMATION:** This product does not represent an ecological hazard. Gypsum is a naturally occurring mineral. Biodegradation and/or bioaccumulation is not applicable.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL METHOD:** Dispose of in accordance with Federal, state and local regulations.

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**SECTION 14: TRANSPORTATION INFORMATION**

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**DOT**  
Not regulated as dangerous goods.

**IATA**  
Not regulated as dangerous goods.

**IMDG**  
Not regulated as dangerous goods.

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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:** 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
Crystalline Silica	14808-60-7	Yes	Yes	Yes	Yes	Yes	Yes

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**SECTION 16: OTHER INFORMATION**

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**ADDITIONAL COMMENTS:** None.

**DATE OF PREVIOUS SDS:** None.

**CHANGES SINCE PREVIOUS SDS:** New product.

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This information relates to the specific material designated and may not be valid for such material used in 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.