

# EnergyGuard™

## Material Safety Data Sheet

Updated: 12/08



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



**GAF Materials Corporation**  
**Material Safety Data Sheet**  
**MSDS # 2060**  
**MSDS Date: December 2008**

**SECTION 1: PRODUCT AND COMPANY INFORMATION**

**PRODUCT NAME:** EnergyGuard™ Fiberboard Roof Insulation, EnergyGuard™ Perlite Cant Strip, EnergyGuard™ Perlite Recover Board, EnergyGuard™ Perlite Roofing Insulation, EnergyGuard™ Perlite Tapered Roof Insulation, EnergyGuard™ Perlite Tapered Edge Strip

**TRADE NAME:** N/A

**CHEMICAL NAME / SYNONYM:** Insulation/ Mixture

**CHEMICAL FAMILY:** Mixture

**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	1	Health	1
Flammable	1	Flammable	1
Reactive	1	Reactive	1
Special Hazards	-	Personal Protection	X
<b>OSHA HAZARDOUS:</b>	Yes <input type="checkbox"/>	No	X

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

**OCCUPATIONAL EXPOSURE LIMITS**

CHEMICAL NAME	CAS #	%(BY WT)	OSHA	ACGIH	OTHER
Perlite, expanded	93763-70-3	35-75	15 mg/m3 (total dust); 5mg/m3 (respirable fraction)	NE	REL: 10 mg/m3 (total dust); 5mg/m3 (respirable fraction)

## OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS #	% (BY WT)	OSHA	ACGIH	OTHER
Cellulose Fiber	65996-61-4	20-50	NE	NE	NE
Asphalt, oxidized	64742-93-4	3-20	NE	NE	NE
Starch	9005-25-8	1-11	15 mg/m <sup>3</sup> (total dust); 5 mg/m <sup>3</sup> (respirable fraction)	10 mg/m <sup>3</sup>	REL: 10 mg/m <sup>3</sup> (total dust); 5 mg/m <sup>3</sup> (respirable fraction)
Polymeric latex	N/A	0-10	NE	NE	NE
Sodium silicate	1344-09-8	0-1.0	NE	NE	NE

NE = Not Established

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**SECTION 3: HAZARDS IDENTIFICATION**


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**PRIMARY ROUTE OF EXPOSURE:** The primary hazards from this product are due to dust particles released during physical handling or cutting of the material. Breathing dust from this product may cause a scratchy throat, congestion, and slight coughing. Getting dust on the skin, or in the eyes may cause itching, rash, or redness. The asphalt contained in the product has been solidified and will not present a fume hazard.

**SIGNS & SYMPTOMS OF EXPOSURE**

**EYES:** Temporary irritation (itching) or redness may occur.

**SKIN:** Temporary irritation (itching) or redness may occur.

**INGESTION:** Product is not intended to be ingested or eaten under normal conditions of use. If ingested, it may cause temporary irritation to the gastrointestinal (GI) tract, and should be treated symptomatically.

**INHALATION:** Irritation of the upper respiratory tract (scratchy throat), coughing, and congestion may occur in extreme.

**ACUTE HEALTH HAZARDS:** As with any dust, pre-existing upper respiratory, eye and lung diseases or conditions due to the large size of the particles, minimal exposure to airborne dust is expected.

**CHRONIC HEALTH HAZARDS:** Chronic affects are associated with prolonged exposure to dust

**CARCINOGENICITY:** The Occupational Safety and Health Administration (OSHA), National Toxicology Program (NTP), International Agency for Research on Cancer (IARC), and American Conference of Governmental Industrial Hygienists (ACGIH) have not classified this product in its entirety as a carcinogen.

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**SECTION 4: FIRST AID MEASURES**

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**FIRST AID PROCEDURES**

<b>EYES:</b>	Remove to fresh air. Drink water to clear throat, and blow nose to remove dust.
<b>SKIN:</b>	Wash gently with soap and warm water to remove dust and fibers. Wash hands before eating or using the restroom.
<b>INHALATION:</b>	Do not rub or scratch your eyes. Dust particles may cause the eye to be scratched. Flush eyes with large amounts of water for 5-15 minutes. If irritation persists, contact a medical professional.
<b>INGESTION:</b>	Product is not intended to be ingested or eaten. If this product is ingested, irritation of the gastrointestinal (GI) tract may occur, and should be treated symptomatically. Rinse mouth with water to remove material or dust, and drink plenty of water to help reduce the irritation. No chronic effects are expected following ingestion.
<b>NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:</b>	This product is a mechanical irritant, and is not expected to produce any chronic health effects from acute exposures. Treatment should be directed toward removing the source of irritation with symptomatic treatment as necessary.

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**SECTION 5: FIRE FIGHTING PROCEDURES**

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<b>SUITABLE EXTINGUISHING MEDIA:</b>	Dry chemical, carbon dioxide, water spray or foam
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Carbon monoxide, carbon dioxide. Hazardous emissions may occur during processing at elevated temperatures.
<b>RECOMMENDED FIRE FIGHTING PROCEDURES:</b>	Small Fire: Use dry chemical, carbon dioxide, water spray or foam. Large Fire: Use water spray, fog or foam. DO NOT use water jet. All fires produce toxic gases. Fire fighter should use self-contained breathing apparatus and full protective gear.
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS:</b>	None

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**ACCIDENTAL RELEASE MEASURES:** Pick up large pieces. Vacuum dusts. If sweeping is necessary, use a dust suppressant such as water. Do not dry sweep dust accumulation. These procedures will help to minimize potential exposures. Wastes are not hazardous as defined by the Resource Conservation and Recovery Act (RCRA; 40 CFR 261). Comply with state and local regulations for disposal of these products. If you are unsure of the regulations, contact your local Public Health Department, or the local office of the Environmental Protection Agency (EPA).

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**SECTION 7: HANDLING AND STORAGE**

**HANDLING AND STORAGE:** Use protective equipment. Warehouse storage should be in accordance with package directions, if any. Material should be kept dry, and protected from the elements.

**OTHER PRECAUTIONS:** None

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

**ENGINEERING CONTROLS / VENTILATION:** Local exhaust ventilation should be provided at areas of cutting to remove airborne dust and fibers. General dilution ventilation should be provided as necessary to keep airborne dust and fibers below the applicable exposure limits and guidelines. The need for ventilation systems should be evaluated by a professional industrial hygienist, while the design of specific ventilation systems should be conducted by a professional engineer.

**RESPIRATORY PROTECTION:** A respirator should be used if ventilation is unavailable, or is inadequate for keeping dust and fiber levels below the applicable exposure limits. In those cases, use a NIOSH-certified disposable or reusable particulate respirator with efficiency rating of N95 or higher (under 42 CFR 84) when working with this product. For exposures up to five times the established exposure limits use a quarter-mask respirator, rated N95 or higher; and for exposures up to ten times the established exposure limits use a half-mask respirator (e.g., MSA's DM-11, Racal's Delta N95, 3M's 8210), rated N95 or higher. Operations such as sawing, blowing, tear out, and spraying may generate airborne fiber concentrations requiring a higher level of respiratory protection. For exposures up to 50 times the established exposure limits use a full-face respirator, rated N99 or higher.

**EYE PROTECTION:** Safety glasses with side shields are recommended to keep dust out of the eyes.

**SKIN PROTECTION:** Leather or cotton gloves are recommended.

**OTHER PROTECTIVE EQUIPMENT:** Protective equipment should be used as necessary to prevent irritation of the throat, eyes, and skin, and to keep exposures.

**WORK HYGIENIC PRACTICES:** Wash hands with soap and water after application.

**EXPOSURE GUIDELINES:** N/A

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE &amp; ODOR:</b>	Brown to light brown with Asphalt odor.		
<b>FLASH POINT:</b>	No Data	<b>LOWER EXPLOSIVE LIMIT:</b>	No Data
<b>METHOD USED:</b>	No Data	<b>UPPER EXPLOSIVE LIMIT:</b>	No Data
<b>EVAPORATION RATE:</b>	No Data	<b>BOILING POINT:</b>	400 °F
<b>pH (undiluted product):</b>	No Data	<b>MELTING POINT:</b>	320 °F
<b>SOLUBILITY IN WATER:</b>	Negligible	<b>SPECIFIC GRAVITY:</b>	.02
<b>VAPOR DENSITY:</b>	No Data	<b>PERCENT VOLATILE:</b>	Negligible
<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:** N/A

**HAZARDOUS POLYMERIZATION:** Will not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**TOXICOLOGICAL INFORMATION:** The dusts and fumes from this product are irritants and may cause transitory irritation to exposed areas such as eyes, skin, and upper respiratory passages.

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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:** N/A

**CERCLA:** N/A

**SARA**

**311/312 HAZARD CATEGORIES:** N/A

**313 REPORTABLE INGREDIENTS:** N/A

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

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
Perlite, expanded	93763-70-3	No	No	N/A	Yes	No	No
Cellulose Fiber	65996-61-4	No	No	N/A	No	No	No
Asphalt, oxidized	64742-93-4	No	No	N/A	Yes	No	No
Starch	9005-25-8	No	No	N/A	No	Yes	No
Polymeric latex	N/A	No	No	N/A	No	No	No
Sodium silicate	1344-09-8	No	No	N/A	No	No	No

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#### SECTION 16: OTHER INFORMATION

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**ADDITIONAL COMMENTS:** None

**DATE OF PREVIOUS MSDS:** 6/03

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

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**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.**