



SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME:	EnergyGuard™ NH Polyiso Insulation EnergyGuard™ NH Ultra Polyiso Insulation EnergyGuard™ NH HD Polyiso Insulation EnergyGuard™ NH HD Plus Polyiso Insulation EnergyGuard™ NH Polyiso Insulated Sheathing EnergyGuard™ NH Barrier Polyiso Insulation EnergyGuard™ NH Tapered Polyiso Insulation
TRADE NAME:	N/A
CHEMICAL NAME / SYNONYM:	N/A
CHEMICAL FAMILY:	Polyisocyanurate
MANUFACTURER:	GAF
ADDRESS:	1 Campus Drive, Parsippany, NJ 07054
24-HOUR EMERGENCY PHONE (CHEMTREC):	800 – 424 – 9300
INFORMATION ONLY:	800 – 766 – 3411
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: Inhalation

SIGNS & SYMPTOMS OF EXPOSURE

EYES: May cause irritation to the eyes.

SKIN: May cause irritation to the skin.

INGESTION: N/A

INHALATION: May cause irritation to the respiratory tract. High vapor concentrations of pentanes may cause dizziness, headaches, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

ACUTE HEALTH HAZARDS: The dust produced by reprocessing of this product may aggravate pre-existing respiratory diseases.

CHRONIC HEALTH HAZARDS: None.

CARCINOGENICITY: Direct implantation of glass fibers into the lung tissue of laboratory animals has produced lung fibrosis and lung cancer. Human epidemiological studies of inhalation exposure have yielded negative results. NTP Listed; Carcinogen IARC Class 3.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% (BY WT)	OCCUPATIONAL EXPOSURE LIMITS		
			OSHA	ACGIH	OTHER
Ethyldimethylmethane (Isopentane)	78-78-4	<1-10	1000 ppm	600 ppm	REL: 120 ppm
n-Pentane	109-66-0	<1-5.5	1000 ppm	600 ppm	REL: 120 ppm
Proprietary Flame Retardant	NA	NA	NE	NE	NE
Fibrous Glass	None	<25	NE	1 f/cc	REL: 3/fcc TWA
Non-hazardous Ingredients	None	>40	N/A	N/A	N/A

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.

SKIN: Wash affected area thoroughly with soap and water.

INHALATION: Remove to fresh uncontaminated air.

INGESTION: Induce vomiting. Consult medical personnel.

**NOTES TO PHYSICIANS OR
FIRST AID PROVIDERS:** None

SECTION 5: FIRE FIGHTING PROCEDURES

SUITABLE EXTINGUISHING MEDIA: Water spray, Alcohol foam, Carbon Dioxide, or Dry chemical.

HAZARDOUS COMBUSTION PRODUCTS: Emits dense, black smoke when burned. Carbon dioxide and carbon monoxide, phosphorus oxides, and phosphoric acid.

RECOMMENDED FIRE FIGHTING PROCEDURES: Wear impermeable protective clothing and self-contained breathing apparatus. Toxic fumes and vapors may be evolved.

UNUSUAL FIRE & EXPLOSION HAZARDS: Emits dense, black smoke when burned. Certain operations such as grinding or cutting may lead to a buildup of dust suspended in air which can cause a dust explosion if ignited. Provide adequate ventilation and appropriate dust handling systems. Isopentane and n-pentane, highly flammable materials, may be present within this product.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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 or use compressed air for clean-up. These procedures will help to minimize potential exposures. Avoid the generation of dusts during clean-up.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Keep away from heat, sparks, and open flames. Store in a cool, dry area. Applying to hot surfaces requires special precautions. Protect against dust that may be generated by reprocessing, altering or applying this product. Remove dust by vacuuming rather than blowing.

OTHER PRECAUTIONS: None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS / VENTILATION: Local mechanical ventilation.

RESPIRATORY PROTECTION: Use in a well-ventilated location. During reprocessing, altering, and/or applying this product, a NIOSH respirator is recommended if the operator's exposure level exceeds the PEL or TLV for nuisance particulate.

EYE PROTECTION: Wear safety glasses with side shields when reprocessing, altering and/or applying this product.

SKIN PROTECTION: Wear cotton or leather gloves when handling this product.

OTHER PROTECTIVE EQUIPMENT: N/A

WORK HYGIENIC PRACTICES: Wash exposed skin prior to eating, drinking or smoking and at the end of each shift. Wash contaminated clothing prior to reuse.

EXPOSURE GUIDELINES: N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR:	White rigid cellular sheets/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 X

UNSTABLE

CONDITIONS TO AVOID (STABILITY):

Keep away from heat, sparks and open flame.

INCOMPATIBILITY (MATERIAL TO AVOID):

N/A

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

N/A

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 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

SECTION 14: TRANSPORTATION INFORMATION

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:** All components are listed on the TSCA inventory.**CERCLA:** N/A**SARA****311/312 HAZARD CATEGORIES:** Acute Health Hazard, Chronic Health Hazard**313 REPORTABLE INGREDIENTS:** N/A**CALIFORNIA PROPOSITION 65:** Not Applicable

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
Ethylidimethylmethane (Isopentene)	78-78-4	No	Yes	N/A	Yes	No	No
n-Pentane	109-66-0	Yes	Yes	Yes	Yes	Yes	Yes
Fibrous Glass	None	No	No	No	No	No	No

SECTION 16: OTHER INFORMATION**ADDITIONAL COMMENTS:** None.**DATE OF PREVIOUS SDS:** June 2017**CHANGES SINCE PREVIOUS SDS:** Changes to Sections 1 and 14.

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

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