



GAF
Safety Data Sheet
SDS # 4045
SDS Date: November 2022

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: EnergyGuard™ HD Barrier Insulation
EnergyGuard™ Barrier Insulation

CHEMICAL NAME: Polyisocyanurate

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

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, Skin Contact.

**SIGNS & SYMPTOMS OF
EXPOSURE**

EYES: May cause irritation to the eyes.

SKIN: May cause irritation to the skin.

INGESTION: Not applicable.

INHALATION: Exposure to dust may cause irritation. Processes such as cutting, grinding, crushing, or impact may result in generation of excessive amounts of airborne dusts in the workplace. Nuisance dust may affect the lungs but reactions are typically reversible.

ACUTE HEALTH HAZARDS: None known.
CHRONIC HEALTH HAZARDS: No data available.
CARCINOGENICITY: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	%	OCCUPATIONAL EXPOSURE LIMITS		
			OSHA	ACGIH	OTHER
Isopentane	78-78-4	4.5 - 9.9	1000 ppm	600 ppm	REL: 120 ppm
n-Pentane	109-66-0	<0.1 - 5.5	1000 ppm	600 ppm	REL: 120 ppm
Tris (monochloropropyl) Phosphate	13674-84-5	<1 - 8	NE	NE	NE
Fibrous Glass	None	<25	NE	1 f/cc	REL: 3 f/cc

NE = Not Established

Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

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:	Rinse mouth. Do not give anything by mouth to an unconscious person. Consult medical personnel.
NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:	No information available

SECTION 5: FIRE FIGHTING PROCEDURES

SUITABLE EXTINGUISHING MEDIA:	Water spray, alcohol foam, carbon Dioxide, or dry chemical.
HAZARDOUS COMBUSTION PRODUCTS:	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. Isopentane and n-pentane, highly flammable materials, may be present within this product. Provide adequate ventilation and appropriate dust handling systems.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:	Use only in well ventilated areas. Wear appropriate personal protective equipment. Pick up large pieces. Sweep and scoop up material and put into a suitable container for disposal as a non-hazardous waste.
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SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:	Use only in a well-ventilated area. Wear appropriate personal protective equipment. Protect against dust that may be generated by altering or applying this product. Minimize dust generation and accumulation. Routine housekeeping should be carried out to ensure that dusts do not accumulate on surfaces. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco products.
OTHER PRECAUTIONS:	None.

INCOMPATIBILITY (MATERIAL TO AVOID):	None known.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Carbon dioxide and Carbon monoxide
HAZARDOUS POLYMERIZATION:	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Pentane (0.05% TO 5.5%) 109-66-0
Acute Toxicity: Ingestion/Oral-Rat LD50 • >2000 mg/kg; Inhalation-Rat LC50 • 364 g/m³ 4 Hour(s)

Isopentane (4.5% TO 9.9%) 78-78-4
Acute Toxicity: Inhalation-Rat LC50 • 280000 mg/m³ 4 Hour(s)

Route(s) of entry/exposure - Inhalation, Skin, Eye, Ingestion
Medical Conditions Aggravated by Exposure - Disorders of the lungs.

Potential Health Effects**Inhalation**

Acute (Immediate) - Exposure to dust may cause irritation. Processes such as cutting, grinding, crushing, or impact may result in generation of excessive amounts of airborne dusts in the workplace. Nuisance dust may affect the lungs but reactions are typically reversible.

Chronic (Delayed) - No data available

Skin

Acute (Immediate) - Exposure to dust may cause mechanical irritation.

Chronic (Delayed) - No data available.

Eye

Acute (Immediate) - Exposure to dust may cause mechanical irritation. Excessive concentrations of nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes.

Chronic (Delayed) - No data available.

Ingestion

Acute (Immediate) - Excessive concentrations of nuisance dust in the workplace may cause mechanical irritation to mucous membranes.

Chronic (Delayed) - No data available.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

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

CERCLA: Not applicable.

SARA Not applicable.

311 / 312 HAZARD CATEGORIES: Not applicable.

313 REPORTABLE INGREDIENTS: Not applicable.

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None.

DATE OF PREVIOUS SDS: March 2018

CHANGES SINCE PREVIOUS SDS: Updated Section 1

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