

EnergyGuard® Polyiso Insulation

Material Safety Data Sheet

Updated: 12/08



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GAF Materials Corporation
Material Safety Data Sheet
MSDS # 1088
MSDS Date: December 2008

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: EnergyGuard™ PolyIso Composite Board, EnergyGuard™ PolyIso Tapered Foam, EnergyGuard™ PolyIso Roof Insulation

TRADE NAME: N/A

CHEMICAL NAME / SYNONYM: N/A

CHEMICAL FAMILY: Polyisocyanate (insulation)

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
Flammable
Reactive
Special Hazards

1
1
0
-

Health
Flammable
Reactive
Personal Protection

1
1
0
A

OSHA HAZARDOUS: Yes

No

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS #	%(BY WT)	OSHA	ACGIH	OTHER
Ethyldimethylmethane (Isopentane)	78-78-4	4.5 – 9.9	1000 ppm	600 ppm	REL: 120 ppm
n-Pentane	109-66-0	0.05 – 5.5	1000 ppm	600 ppm	REL: 120 ppm

OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS #	% (BY WT)	OSHA	ACGIH	OTHER
Fibrous Glass (Fiberglass)		< 11	NE	1 f/cc	REL: 3/fcc TWA
Tris (monochloropropyl) Phosphate	13674-84-5	< 5	NE	NE	NE
Non-Hazardous Ingredients		>71			

NE = Not Established

SECTION 3: HAZARDS IDENTIFICATION

PRIMARY ROUTE OF EXPOSURE: Inhalation

SIGNS & SYMPTOMS OF EXPOSURE

EYES: May cause irritation to the eyes.

SKIN: May cause irritation to the skin.

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. Inhalation of high vapor concentrations of pentanes used in this product may cause dizziness, headaches, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

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

CHRONIC HEALTH HAZARDS: This product contains tris(monochloropropyl) phosphate which may cause skin sensitization.

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 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:	Seek Medical attention if needed
NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:	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.

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.
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.
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SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:	Keep away from heat, sparks & open flames. Store in a cool, dry area. Protect against dust that may be generated by reprocessing, altering or applying this product. Remove dust by vacuuming rather than blowing.
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OTHER PRECAUTIONS: None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS / VENTILATION: Use local exhaust ventilation if necessary.

RESPIRATORY PROTECTION: During reprocessing, altering, and/or applying this product, a NIOSH respirator is recommended if the exposure level exceeds the PEL or TLV.

EYE PROTECTION: Safety glasses with side shields.

SKIN PROTECTION: Protective Gloves – Cotton or leather gloves when handling.

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. Work clothing should be washed separately from other clothes.

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 UNSTABLE

CONDITIONS TO AVOID (STABILITY):

Keep away from heat, sparks, or open flame.

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:

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

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

SECTION 15: REGULATORY INFORMATION**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: Acute hazard

313 REPORTABLE INGREDIENTS: None

CALIFORNIA PROPOSITION 65: N/A

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 (Isopentane)	78-78-4	No	Yes	N/A	Yes	No	No
n-Pentane	109-66-0	Yes	Yes	Yes	Yes	Yes	Yes
Fibrous Glass (Fiberglass)		No	No	N/A	No	No	No
Tris (monochloropropyl) Phosphate	13674-84-5	No	No	N/A	No	No	No

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None

DATE OF PREVIOUS MSDS: 5/03

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

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.