

Ruberoid® EnergyCap Heat-Weld 250 Plus FR

Material Safety Data Sheet

Updated: 6/09



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From North America's Largest Roofing Manufacturer™*



SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: Ruberoid® EnergyCap Heat-Weld 250 Plus FR

TRADE NAME: N/A

CHEMICAL NAME / SYNONYM: N/A

CHEMICAL FAMILY: Modified Bitumen Roll Roofing

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
Flammable	1
Reactive	0
Special Hazards	-

1
1
0
-

Health	1
Flammable	1
Reactive	0
Personal Protection	X

1
1
0
X

OSHA HAZARDOUS: Yes

No

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS #	%(BY WT)	OSHA	ACGIH	OTHER
MODIFIED BITUMINOUS BLEND					
Asphalt (Bitumen)	8052-42-4	20 - 30	0.5 mg/m3 as benzene-soluble aerosol	NE	REL: 5 mg/m3 ceil 15-min

OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS #	% (BY WT)	OSHA	ACGIH	OTHER
Styrene Butadiene Copolymer	9003-55-8	4 - 8	NE	NE	NE
Calcium Borate	12007-56-6	18 - 24	NE	NE	NE

REINFORCEMENT
Polyester or a mix of polyester and glass roving

Polyester Mat	100684-92-2	2 - 8	NE	NE	NE
Fiberglass roving	65997-17-3	0.5 - 2	NE	1 f/cc	REL: 3/fcc TWA

Back and Top Surfacing

Polypropylene film	9003-07-0	0.01 - 1	NE	NE	NE
Polyethylene film	9002-88-4	0.01 - 1	NE	NE	NE
Granules	14808-60-7	20 - 30	10 mg/m ³ / (% SiO ₂ + 2) – resp.	0.025 mg/m ³	REL: 0.05 mg/m ³ – resp.
Acrylic Polymer	9003-01-4	2 - 6	NE	NE	NE

Footnotes:

NE= Not Established**SECTION 3: HAZARDS IDENTIFICATION****PRIMARY ROUTE OF EXPOSURE:** Inhalation**SIGNS & SYMPTOMS OF EXPOSURE** N/A**EYES:** During application asphalt fumes may be emitted and may cause minor eye irritation. Flush eyes with flowing water for 15 mins.**SKIN:** During application asphalt fumes may be emitted and may cause minor skin irritation. Contact with molten asphalt at high temperatures can cause thermol burns. Cool with ice or water.**INGESTION:** Exposure is not likely to occur but if it does get medical advice.**INHALATION:** During application asphalt fumes may be emitted and may cause minor irritation of nasal passages, throat and lungs. Can cause headaches and nausea.**ACUTE HEALTH HAZARDS:** Nasal irritant of mucus membranes.**CHRONIC HEALTH HAZARDS:** Asphalt: burns or nasal/throat irritation.

CARCINOGENICITY: N/A

SECTION 4: FIRST AID MEASURES

FIRST AID PROCEDURES

EYES: Flush with water for 15 minutes. Remove contact lenses if worn. Consult with medical personnel if irritation persists.

SKIN: Do not attempt to remove asphalt immediately. Cover with Vaseline. Remove when asphalt has softened.

INHALATION: Remove to fresh air. Seek medical assistance if needed.

INGESTION: N/A

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

SECTION 5: FIRE-FIGHTING PROCEDURES

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

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, acrolein, acids, ketones, aldehydes, hydrogen sulfide.

RECOMMENDED FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus and full protective clothing recommended.

UNUSUAL FIRE & EXPLOSION HAZARDS: None.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: None

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Long sleeve shirt and long trousers. Solid work shoes. When heated small amounts of Hydrogen Sulfide may be given off. Hydrogen Sulfide is flammable, toxic gas and breathing fumes must be avoided.

OTHER PRECAUTIONS: N/A

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS / VENTILATION:	Use sufficient ventilation.
RESPIRATORY PROTECTION:	N/A
EYE PROTECTION:	Safety glasses with side shields.
SKIN PROTECTION:	Long sleeves, trousers and gloves.
OTHER PROTECTIVE EQUIPMENT:	When handling this material, wear long sleeve shirts, long pants and safety shoes.
WORK HYGIENIC PRACTICES:	Washing of hands is recommended after handling coated sheets.
EXPOSURE GUIDELINES:	N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR:	Thin black sheet in roll form, granule, talc, fillers, sand, film surfaced or white acrylic coated. Slight asphaltic odor.		
FLASH POINT:	>500 °F	LOWER EXPOSURE LIMIT:	No Data
METHOD USED:	COC	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:	No	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 <input type="checkbox"/>
CONDITIONS TO AVOID (STABILITY):	N/A	
INCOMPATIBILITY (MATERIAL TO AVOID):	N/A	

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon monoxide, carbon dioxide, acrolein, acids, ketones, aldehydes, hydrogen sulfide.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Hydrogen Sulfide is flammable, toxic gas and breathing fumes must be avoided.

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: TRANSPORT 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: N/A

SARA

311/312 HAZARD CATEGORIES: N/A

313 REPORTABLE INGREDIENTS: N/A

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
Asphalt (Bitumen)	8052-42-4	Yes	Yes	N/A	Yes	Yes	Yes
Styrene Butadiene Copolymer	9003-55-8	No	No	N/A	No	No	No
Calcium Borate	12007-56-6	No	No	N/A	No	No	No
Polyester Mat	100684-92-2	No	No	N/A	No	No	No
Fiberglass roving	65997-17-3	No	No	N/A	No	No	No
Polypropylene film	9003-07-0	No	No	N/A	No	No	No
Polyethylene film	9002-88-4	No	No	N/A	No	No	No
Granules	14808-60-7	Yes	Yes	Yes	Yes	Yes	Yes
Acrylic Polymer	9003-01-4	No	No	N/A	No	No	No

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None.

DATE OF PREVIOUS MSDS: June 2003

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

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