



GAF
Safety Data Sheet
SDS #2219
SDS Date: May 2023

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: Matrix 102 Premium SBS Flashing Cement
MANUFACTURER: GAF
ADDRESS: 1 Campus Drive, Parsippany, NJ 07054
24-HOUR EMERGENCY PHONE (CHEMTREC): 800 – 424 – 9300
INFORMATION ONLY: 877-GAF-ROOF
PREPARED BY: Corporate EHS

SECTION 2: HAZARDS IDENTIFICATION

NFPA and HMIS RATINGS:

	NFPA Hazard Rating		HMIS Hazard Rating
Health	2	Health	2
Flammable	2	Flammable	2
Reactive	0	Reactive	0
Special Hazards	-	Personal Protection	X

GHS LABEL ELEMENTS:

GHS CLASSIFICATION: Flammable Liquid - Category 3
Mutagenicity - Category 1B
Carcinogenicity - Category 1B
STOT RE - Category 1

GHS PICTOGRAMS:



SIGNAL WORD: Warning

HAZARD STATEMENTS:	Flammable liquid and vapor. May cause genetic defects. May cause cancer. Causes damage to organs (central nervous system, eye, skin, lung, liver) through prolonged or repeated exposure.
PRECAUTIONARY STATEMENTS:	Obtain, read and follow all safety instructions before use. Keep away from open flames. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/... equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe fume, gas, vapors. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use carbon dioxide (CO ₂), foam, dry extinguishing powder to extinguish. Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste. Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

ADDITIONAL HAZARD IDENTIFICATION INFORMATION:

PRIMARY ROUTE OF EXPOSURE: Eye contact, Skin contact, Inhalation

SIGNS & SYMPTOMS OF EXPOSURE

EYES:	This material causes eye irritation. Contact with the liquid or exposure to mist or vapor may cause stinging, redness and swelling.
SKIN:	Prolonged contact may cause irritation and/or dermatitis.
INGESTION:	Harmful if swallowed. Can enter lungs and cause damage. This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.
INHALATION:	High concentrations of vapor or mist may cause irritation of the nose and throat and signs of nervous system depression.
ACUTE HEALTH HAZARDS:	See above.
CHRONIC HEALTH HAZARDS:	May cause damage to organs through prolonged or repeated exposure.
CARCINOGENICITY:	May cause cancer.

IARC has determined that occupational exposure to oxidized asphalt and its emissions is probably carcinogenic to humans (Group 2A).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% (BY WT)	OCCUPATIONAL EXPOSURE LIMITS		
			OSHA	ACGIH	OTHER
Asphaltic bitumen, not cut back	8052-42-4	60 – 80	NE	0.5 mg/m ³ (inhalable fraction, as benzene-soluble aerosol)	5 mg/m ³ – ceiling (15 min. fumes)
Kaolin	1332-58-7	15 – 30	NE	NE	NE
Stoddard solvent	8052-41-3	20 – 25	500 ppm	100 ppm	NE
Attapulgate	12174-11-7	5 – 10	NE	NE	NE
Cellulose	9004-34-6	3 – 7	15 mg/m ³	10 mg/m ³	NE

NE = Not Established

SECTION 4: FIRST AID MEASURES

FIRST AID PROCEDURES

- EYES:** Flush eyes immediately with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician.
- SKIN:** Remove contaminated clothes. Wash exposed areas with soap and water. If redness or swelling develops, seek medical assistance. Wash clothing separately before reuse. Destroy or thoroughly clean contaminated shoes.
- INHALATION:** Remove to fresh air. If breathing has stopped, give artificial respiration. Call a physician.
- INGESTION:** Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Do not give mouth-to-mouth resuscitation. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention immediately.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Symptoms may be delayed.

SECTION 5: FIRE FIGHTING PROCEDURES

SUITABLE EXTINGUISHING MEDIA: CO₂, dry chemical powder, sand and foam. Do not use water.

HAZARDOUS COMBUSTION PRODUCTS: No information.

RECOMMENDED FIRE FIGHTING PROCEDURES:

Self contained breathing apparatus recommended. Use water spray to cool unopened containers.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Material is flammable and may be ignited by flames, sparks, heat or other sources of ignition. Do not use a solid water stream as it may scatter and spread fire. Vapor may cause flash fire. Vapors can flow along surfaces to distant ignition source and flash back. Sensitive to static discharge. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in the immediate area). Extinguish all flames in the vicinity. Dam up area to prevent spreading of material. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Cover with plastic sheet to prevent spreading. Collect spillage. Prevent product from entering drains. Do not allow material to contaminate groundwater system.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:

Store in a well ventilated area, <110°F. Eliminate sources of ignition. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. When using, do not eat, drink or smoke. Avoid release to the environment.

OTHER PRECAUTIONS:

Avoid open flames, electrical sparks or static electricity. Keep only in original container. Store in a closed container. correctly labelled

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS / VENTILATION:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure limits.

RESPIRATORY PROTECTION:

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

EYE PROTECTION:

Safety goggles or safety glasses with side shields.

SKIN PROTECTION:

Wear appropriate impermeable gloves and protective clothing as necessary to prevent skin contact.

OTHER PROTECTIVE EQUIPMENT:

None.

WORK HYGIENIC PRACTICES:

Wash exposed skin prior to eating, drinking, or smoking and at the end of each shift.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR:	Black paste with a petroleum-like odor.		
FLASH POINT:	106 °F	LOWER EXPLOSIVE LIMIT:	No data
METHOD USED:	TCC	UPPER EXPLOSIVE LIMIT:	No data
EVAPORATION RATE:	No data	BOILING POINT:	>300 °F
pH (undiluted product):	No data	MELTING POINT:	No data
SOLUBILITY IN WATER:	Insoluble	SPECIFIC GRAVITY:	1.02
VAPOR DENSITY:	No data	PERCENT VOLATILE:	No data
VAPOR PRESSURE:	2 mm	MOLECULAR WEIGHT:	No data
VOC (g/L):	<250		

SECTION 10: STABILITY AND REACTIVITY**THERMAL STABILITY:****STABLE X****UNSTABLE** **CONDITIONS TO AVOID:**

Heat, flames and sparks. Ignition sources. Contact with incompatible materials. Do not pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death.

INCOMPATIBILITY (MATERIAL TO AVOID):

Strong oxidizing agents, reducing agents, acids, alkalis.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

Carbon dioxide or carbon monoxide.

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Eye contact: Causes eye irritation.

Inhalation: May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Ingestion: Harmful if swallowed and enters airways.

Skin contact: May cause an allergic skin reaction. May cause moderate irritation.

Teratogenicity: No known significant effects or critical hazards.

Germ cell mutagenicity: May cause genetic defects (Dermal, Inhalation).

Carcinogenicity: May cause cancer.

Bitumens - IARC 2B Possibly carcinogenic to humans,
Attapulgit - IARC 2B Possibly carcinogenic to humans,

Specific target organ toxicity (repeated exposure): Causes damage to organs (central nervous system, eye, Skin, lung, liver) through prolonged or repeated exposure (Dermal, Inhalation).

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

Asphaltic bitumen, not cut back

LC50 fish 1> 1000 mg/l (96 h; Pisces)
LC50 other aquatic organisms 1> 1000 mg/l (96 h)
Threshold limit other aquatic organisms 1> 1000 mg/l (96 h)
Persistence and degradability: Not readily biodegradable in water.
Log Pow> 6 (Calculated)

Cellulose

cellulose (9004-34-6) LC50 fish 1> 100 mg/l (Pisces)
EC50 Daphnia 1> 100 mg/l (Invertebrata)
Threshold limit algae 1> 100 mg/l (Algae)
Persistence and degradability: Biodegradable in water.

Attapulgit

Persistence and degradability: Biodegradability - not applicable. No (test)data on mobility of the substance available.

Kaolin

Persistence and degradability: Biodegradability - not applicable. No (test)data on mobility of the substance available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable local, state and Federal regulations. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container.

SECTION 14: TRANSPORTATION INFORMATION

DOT

Combustible Liquid - DOT 49 CFR 173.150 SUB.PAR.F. Unregulated

IATA

UN number	UN1993
UN proper shipping name	Tars, liquid including road oils and cutback
Hazard Air Class	3
Packing group	III

IMDG

UN Number	UN1993
UN proper shipping name	Tars, liquid including road oils and cutback bitumens.
Hazard Class	3

Packing group	III
EmS-No	F-E, S-E
Marine Pollutant	No

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

311/312 HAZARD CATEGORIES: Acute Health Hazard, Chronic Health Hazard, Fire Hazard

313 REPORTABLE INGREDIENTS: Not applicable.

CALIFORNIA PROPOSITION 65: Cancer: Palygorskite fibers
Bitumens, extracts of steam-refined and air refined

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None

DATE OF PREVIOUS SDS: January 2018

CHANGES SINCE PREVIOUS SDS: Numerous updates.

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