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**SECTION 1: PRODUCT AND COMPANY INFORMATION**

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**PRODUCT NAME:** Matrix™ 102 SBS Membrane Adhesive

**TRADE NAME:** N/A

**CHEMICAL NAME /  
SYNONYM:** N/A

**CHEMICAL FAMILY:** N/A

**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







**APPROVED BY:** Corporate EHS

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**SECTION 2: HAZARDS IDENTIFICATION**

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**NFPA and HMIS RATINGS:**

	NFPA Hazard Rating		HMIS Hazard Rating
	2		2
	2		2
	0		0
<b>Special Hazards</b>	-	<b>Personal Protection</b>	X

**GHS LABEL ELEMENTS:**

**GHS CLASSIFICATION:** Flammable Liquid - Category 3  
Carcinogenicity - Category 1B  
Mutagenicity - 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.

**PREVENTION:**

Keep away from heat / sparks / open flames / hot surfaces - No smoking.  
 Keep cool.  
 Ground / bond container and receiving equipment.  
 Use explosion-proof electrical / ventilating / light / equipment.  
 Use only non-sparking tools.  
 Take precautionary measures against static discharge.  
 Do not breathe mist / vapors / spray.  
 Do not get in eyes, on skin, or on clothing.  
 Wash thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Wear protective gloves / eye protection / face protection.

**ADDITIONAL HAZARD IDENTIFICATION INFORMATION:**

**PRIMARY ROUTE OF EXPOSURE:** Inhalation, Skin Absorption, Ingestion, Eye

**SIGNS & SYMPTOMS OF EXPOSURE**

**EYES:** May cause irritation, blurred vision.

**SKIN:** Prolonged contact may cause irritation and/or dermatitis.

**INGESTION:** Can cause gastrointestinal irritation.

**INHALATION:** Use with adequate ventilation. Inhalation of high vapor concentration may cause headaches and/or dizziness.

**ACUTE HEALTH HAZARDS:** See above.

**CHRONIC HEALTH HAZARDS:** See below.

**CARCINOGENICITY:** IARC has determined that occupational exposure to oxidized asphalt and its emissions is probably carcinogenic to humans (Group 2A). IARC concluded that available data from cancer studies in humans points to an association between exposures to oxidized asphalts during roofing and lung cancer and tumors in the upper aero-digestive tract. In addition, IARC found sufficient evidence of carcinogenicity in experimental animals for extracts and fume condensates of oxidized asphalts.

NIOSH has concluded that the collective data from human, animal, genotoxicity and exposure studies provide sufficient evidence that

roofing asphalt fumes are a potential occupational carcinogen.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**


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CHEMICAL NAME	CAS #	% (BY WT)	OCCUPATIONAL EXPOSURE LIMITS		
			OSHA	ACGIH	OTHER
Asphalt Bitumen	8052-42-4	60-80	NE	0.5 mg/m <sup>3</sup> (inhalable fraction, as benzene-soluble aerosol)	5 mg/m <sup>3</sup> – 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
Attapulgite	12174-11-7	5-10	NE	NE	NE
Cellulose	9004-34-6	3-7	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	NE

**NE = Not Established**

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**SECTION 4: FIRST AID MEASURES**


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**FIRST AID PROCEDURES**

- EYES:** Flush with large amounts of water. Consult a physician.
- SKIN:** Clean affected area with a waterless hand cleaner, then wash area thoroughly with soap and water. If redness, etc. persists, consult a physician.
- INHALATION:** Remove person from area. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Seek immediate medical aid.
- INGESTION:** Do not induce vomiting. Consult a physician immediately.

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

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**SECTION 5: FIRE FIGHTING PROCEDURES**

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<b>SUITABLE EXTINGUISHING MEDIA:</b>	Foam, Dry Chemical, CO <sub>2</sub> – <b>DO NOT USE WATER</b>
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	N/A
<b>RECOMMENDED FIRE FIGHTING PROCEDURES:</b>	Treat as fuel oil fire. Self-contained breathing apparatus recommended.
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS:</b>	OSHA Combustible/DOT Flammable. Keep away from open flame and sources and heat.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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<b>ACCIDENTAL RELEASE MEASURES:</b>	Dike spill area; add absorbent to liquid. Keep out of sewers and waterways. Remove any sources of ignition. Ventilate area if necessary.
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**SECTION 7: HANDLING AND STORAGE**

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<b>HANDLING AND STORAGE:</b>	Keep away from sources of ignition; open flame. This material is for exterior use only. Store at less than 110 deg F.
<b>OTHER PRECAUTIONS:</b>	Practice good personal hygiene. Launder contaminated clothing before reuse. Use control protection such as chemical splash proof goggles, oil resistant gloves, barrier cream. Clean tools and equipment with kerosene. <b>DO NOT USE GASOLINE.</b>

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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<b>ENGINEERING CONTROLS / VENTILATION:</b>	Local exhaust.
<b>RESPIRATORY PROTECTION:</b>	Normally not needed. If TLV is exceeded, use NIOSH approved respirator.
<b>EYE PROTECTION:</b>	Chemical splash goggles.
<b>SKIN PROTECTION:</b>	Impervious work clothing is recommended.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Oil resistant gloves recommended.
<b>WORK HYGIENIC PRACTICES:</b>	Local exhaust ventilation
<b>EXPOSURE GUIDELINES:</b>	Wash hands after use.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE &amp; ODOR:</b>	Black Paste, Solvent Odor		
<b>FLASH POINT:</b>	106 °F	<b>LOWER EXPLOSIVE LIMIT:</b>	No Data
<b>METHOD USED:</b>	TCC	<b>UPPER EXPLOSIVE LIMIT:</b>	No Data
<b>EVAPORATION RATE:</b>	<1	<b>BOILING POINT:</b>	>300 °F
<b>pH (undiluted product):</b>	No Data	<b>MELTING POINT:</b>	No Data
<b>SOLUBILITY IN WATER:</b>	Almost zero	<b>SPECIFIC GRAVITY:</b>	1
<b>VAPOR DENSITY:</b>	>1	<b>PERCENT VOLATILE:</b>	No Data
<b>VAPOR PRESSURE:</b>	2 mm (Solvent)	<b>MOLECULAR WEIGHT:</b>	No Data
<b>VOC WITH WATER (LBS/GAL):</b>	No Data	<b>WITHOUT WATER (LBS/GAL):</b>	No Data

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

Open flames, all sources of ignition. Do not heat or thin this material.

**INCOMPATIBILITY (MATERIAL TO AVOID):**

May react with strong oxidizing agents, reducing agents, strong acids and alkalies.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:**

Carbon monoxide and Carbon dioxide.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**TOXICOLOGICAL INFORMATION:** Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : Not classified  
Specific target organ toxicity (repeated exposure): Causes damage to organs (central nervous system, eye, skin, lung, liver) through prolonged or repeated exposure (Dermal, Inhalation).  
Aspiration hazard : Not classified  
Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

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**SECTION 12: ECOLOGICAL INFORMATION**

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**ECOLOGICAL INFORMATION:** This material is a water pollutant and should be prevent from contaminating soil or from entering sewage and drainage systems and other bodies of water. Notify authorities.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL METHOD:** This product, as supplied, is regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. If discarded in its purchased form, this product is a RCRA hazardous waste. It is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or residue of the product remains classified a hazardous waste as per 40 CFR 261, Subpart C. State or local regulations may also apply if they differ from the federal regulation.

**RCRA HAZARD CLASS:** D001, Ignitable Hazardous Waste

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**SECTION 14: TRANSPORTATION INFORMATION**

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**U.S. DOT TRANSPORTATION**

<b>PROPER SHIPPING NAME:</b>	Combustible Liquid - DOT 49 CFR 173.150 Sub Part F. Unregulated, III
<b>HAZARD CLASS:</b>	NA
<b>ID NUMBER:</b>	NA
<b>PACKING GROUP:</b>	III
<b>LABEL STATEMENT:</b>	N/A
<b>OTHER:</b>	N/A

<b>IMO/IMDG</b>	<b>UN NUMBER:</b>	1999
	<b>UN SHIPPING NAME:</b>	Tars, liquid including road oils and cutback bitumens.
	<b>TRANSPORT CLASS:</b>	IMDG 3
	<b>PACKING GROUP:</b>	III EmS No. F-E, S-E
	<b>OTHER:</b>	Marine Pollutant: No

<b>IATA</b>	<b>UN NUMBER:</b>	1999
	<b>UN SHIPPING NAME:</b>	Tars, liquid including road oils and cutback bitumens.
	<b>TRANSPORT CLASS:</b>	Air Class 3
	<b>PACKING GROUP:</b>	III
	<b>OTHER:</b>	None

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## **SECTION 15: REGULATORY INFORMATION**

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### **U.S. FEDERAL REGULATIONS**

**TSCA:** Asphaltic bitumen, cellulose, kaolin, Stoddard solvent

**CERCLA:** N/A

### **SARA**

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

**313 REPORTABLE INGREDIENTS:** N/A

**CALIFORNIA PROPOSITION 65:** No.

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	8052-42-4	No	No	No	Yes	Yes	Yes
Kaolin	1332-58-7	No	No	No	Yes	Yes	Yes
Stoddard Solvent	8052-41-3	Yes	No	Yes	Yes	Yes	Yes
Attapulgate	12174-11-7	No	No	No	No	No	No
Cellulose	9004-34-6	No	No	Yes	Yes	Yes	Yes

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**SECTION 16: OTHER INFORMATION**


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**ADDITIONAL COMMENTS:** None

**DATE OF PREVIOUS SDS:** August 2015

**CHANGES SINCE PREVIOUS SDS:** GHS Update

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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.