



SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: Matrix™ 307 Premium Asphalt Primer
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

SECTION 2: HAZARDS IDENTIFICATION

NFPA and HMIS RATINGS:

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

GHS LABEL ELEMENTS:

GHS CLASSIFICATION: Flammable Liquid - Category 2
Carcinogenicity - Category 1B
Mutagenicity - Category 1B
Specific Target Organ Toxicity RE – Category 1

**GHS
PICTOGRAMS:****SIGNAL
WORD:**

Warning

**HAZARD
STATEMENTS:**

Flammable liquid and vapor.
 May cause genetic defects. (Dermal, Inhalation)
 May cause cancer. (Inhalation, Dermal)
 Causes damage to organs (central nervous system, eye, skin,
 and lung, liver) through prolonged or repeated exposure.
 (Dermal, Inhalation)

**PRECAUTIONARY
STATEMENTS**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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.

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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% (BY WT)	OCCUPATIONAL EXPOSURE LIMITS		
			OSHA	ACGIH	OTHER
Asphalt 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)
Stoddard Solvent	8052-41-3	20-25	500 ppm	100 ppm	NE
Solvent Naphtha	64742-95-6	5-10	100 ppm	400 ppm	NE

NE = Not Established

SECTION 4: FIRST AID MEASURES

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:** Treat systematically.

SECTION 5: FIRE FIGHTING PROCEDURES

- SUITABLE EXTINGUISHING MEDIA:** Foam, Dry chemical, CO₂ – Do not use a direct water stream.
- HAZARDOUS COMBUSTION PRODUCTS:** CO and CO₂.

RECOMMENDED FIRE FIGHTING PROCEDURES:

Treat as fuel oil fire. Self-contained breathing apparatus recommended with full turn-out gear. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent firefighting water from entering the environment.

UNUSUAL FIRE & EXPLOSION HAZARDS:

COMBUSTIBLE. Keep away from open flame and sources and heat.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Dike spill area; add absorbent to liquid. Keep out of sewers and waterways. No flames, no sparks. Eliminate all sources of ignition. Ventilate area if necessary.

SECTION 7: HANDLING AND STORAGE**HANDLING AND STORAGE:**

Keep away from sources of ignition; open flame. This material is for exterior use only. Store at less than 110 deg F. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so. Do not breathe fume, spray, and vapors.

OTHER PRECAUTIONS:

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.

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

Local exhaust.

RESPIRATORY PROTECTION:

Normally not needed. If TLV is exceeded, use NIOSH approved respirator.

EYE PROTECTION:

Chemical splash goggles or safety glasses and face shield.

SKIN PROTECTION:

Impervious work clothing is recommended.

OTHER PROTECTIVE EQUIPMENT:

Oil resistant gloves recommended.

WORK HYGIENIC PRACTICES: Local exhaust ventilation

EXPOSURE GUIDELINES: Wash hands after use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR:	Black Fibered Mastic, Petroleum Odor		
FLASH POINT:	106 °F	LOWER EXPLOSIVE LIMIT:	No Data
METHOD USED:	TCC	UPPER EXPLOSIVE LIMIT:	No Data
EVAPORATION RATE:	<1	BOILING POINT:	>300 °F
pH (undiluted product):	No Data	MELTING POINT:	No Data
SOLUBILITY IN WATER:	Almost zero	SPECIFIC GRAVITY:	1
VAPOR DENSITY:	>1	PERCENT VOLATILE:	No Data
VAPOR PRESSURE:	2 mm (Solvent)	MOLECULAR WEIGHT:	No Data
VOC (g/L):	<350	DENSITY (LBS/GAL):	8-9

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 alkalis.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Monoxide and Carbon Dioxide.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION**asphaltic bitumen, not cut back (8052-42-4)**

LD50 oral rat	> 2000 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
Skin corrosion/irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	May cause genetic defects (Dermal, Inhalation).
Carcinogenicity:	May cause cancer (Inhalation, Dermal).

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.

Symptoms/injuries after inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause an allergic skin reaction.

Symptoms/injuries after skin contact: May cause an allergic skin reaction. May cause moderate irritation.

Symptoms/injuries after eye contact: Eye irritation.

SECTION 12: ECOLOGICAL INFORMATION

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.

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORTATION INFORMATION

U.S. DOT TRANSPORTATION

If shipped by ground in quantities less than 119 gallons (450 liters): Not regulated as a hazardous material.
DOT 49 CFR 173.150 SUB.PAR.F

PROPER SHIPPING NAME: Tars, liquid
HAZARD CLASS: 3 Combustible Liquid
ID NUMBER: UN 1999
PACKING GROUP: III
LABEL STATEMENT: Not Applicable

IATA

PROPER SHIPPING NAME: Tars, liquid including road oils
and cutback bitumens
AIR CLASS: 3
ID NUMBER: UN1999
PACKING GROUP: III
LABEL STATEMENT: Not Applicable
OTHER: ERG Guide 130

IMO/IMDG

PROPER SHIPPING NAME: Tars, liquid including road oils
and cutback bitumens
IMDG: 3
ID NUMBER: UN1999
PACKING GROUP: III EmS No. F-E, S-E
LABEL STATEMENT: Not Applicable
OTHER: IMDG: Marine Pollutant: No
ERG Guide 130

OTHER:

If shipped by vessel in individual containers that are less than 7.9 gallons (30 liters) each, then IMDG 2.3.2.5 exception applies: Not regulated as a hazardous material.

SECTION 15: REGULATORY INFORMATION**U.S. FEDERAL REGULATIONS**

TSCA: Asphaltic bitumen, Stoddard solvent

CERCLA: Not Applicable

SARA

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

313 REPORTABLE INGREDIENTS: Not Applicable

CALIFORNIA PROPOSITION 65: Yes - This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

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
Stoddard Solvent	8052-41-3	Yes	No	Yes	Yes	Yes	Yes

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None

DATE OF PREVIOUS SDS: January 2018

CHANGES SINCE PREVIOUS SDS: Update to VOC content.

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.