



SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: Matrix 220 Part A
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

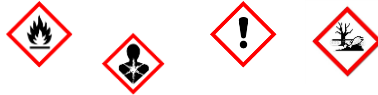
SECTION 2: HAZARDS IDENTIFICATION

NFPA and HMIS RATINGS:

| | NFPA Hazard Rating | | HMIS Hazard Rating |
|----------------------------|-----------------------------------|--------------------------------|-----------------------------------|
| Health | 1 | Health | 1 |
| Flammable | 2 | Flammable | 2 |
| Reactive | 0 | Reactive | 0 |
| Special Hazards | - | Personal Protection | X |

GHS LABEL ELEMENTS:

**GHS
CLASSIFICATION:** Flammable Liquid - Category 4
Aspiration Toxicity - 1
Target Organ (RE) - 2
Eye Irritant - Category 2A
Skin Irritant - Category 2
Acute Toxicity – Category 2A
Reproductive Toxicity - Category 2
Carcinogenicity - Category 2
Hazardous to the Aquatic Environment (chronic) -
Category 1

**GHS
PICTOGRAMS:****SIGNAL
WORD:**Dange
r**HAZARD
STATEMENTS:**

May cause damage to organs through prolonged or repeated exposure
 Causes skin irritation
 Serious eye irritation
 Harmful if swallowed
 May cause cancer
 Repeated exposure may cause skin dryness and cracking
 Flammable liquid and vapor
 May be fatal if swallowed and enters airways
 Suspecting of damaging fertility or the unborn child
 Very Toxic to aquatic life with long lasting effects

ADDITIONAL HAZARD IDENTIFICATION INFORMATION**PRIMARY ROUTE OF EXPOSURE:** Inhalation**SIGNS & SYMPTOMS OF EXPOSURE**

Eyes: May cause irritation to the eyes.

Skin: Prolonged or repeated skin contact may cause skin irritation and/or dermatitis.

Ingestion: This product is not intended to be ingested. If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract. Irritating to the mouth, throat, and stomach.

Inhalation: Prolonged inhalation may be harmful. May cause sensitization of susceptible persons by inhalation of aerosols or dust.

ACUTE HEALTH HAZARDS: See above.**CHRONIC HEALTH HAZARDS:** Dermatitis.

CARCINOGENICITY: The International Agency for Research on Cancer (IARC) has determined that there is limited or inadequate evidence in humans for the carcinogenicity of exposure to asphalt. Classified as a Group 2B (Possibly Carcinogenic to Humans).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME | CAS # | % | OCCUPATIONAL EXPOSURE LIMITS | | |
|---|------------|---------|-----------------------------------|---|---|
| | | | OSHA | ACGIH | OTHER |
| Asphalt | 8052-42-4 | 20 – 35 | NE | 0.5 mg/m ³ (inhalable fraction, as benzene-soluble aerosol) | REL: 5 mg/m ³ – Ceiling (15 min. fumes) |
| Distillates (Petroleum), Hydrotreated Heavy Naphthenic | 64742-52-5 | 20 – 35 | 5 mg/m ³ (oil mist) | NE | NE |
| Stoddard Solvent | 7704-34-9 | 2 -12 | NE | 100 ppm | NE |
| Other components below reportable levels. | - | 35 - 65 | - | 10 ppm 15 ppm – STEL | REL: 10 ppm – ceiling |

NE = Not Established

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. Seek medical attention if eyes are inflamed.

SKIN: Cool affected area with cold water until asphalt is cooled. Wash affected area thoroughly with soap and water. Remove contaminated clothing. Thoroughly wash or discard clothing and shoes before reuse. Provide medical treatment for skin burns.

INHALATION: Remove to fresh uncontaminated air. Seek medical attention.

INGESTION: Not expected to be ingested. If injection occurs, rinse mouth. Do not induce vomiting. Call a poison center or doctor if needed. Do not use mouth to mouth method if victim injected the substance.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: In case of injection, the decision of whether or not to induce vomiting should be made by the attending physician. Certain pre-existing conditions may make workers particularly susceptible to the effect of the chemical: asthma, allergies, impaired pulmonary function.

SECTION 5: FIRE FIGHTING PROCEDURES

SUITABLE EXTINGUISHING MEDIA: Alcohol foam, Carbon Dioxide, or Dry chemical.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, nitrogen sulfur dioxide.

RECOMMENDED FIRE FIGHTING PROCEDURES:

In case of fire and/or explosion do not breathe fumes. Always stay away from tanks engulfed in flame. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. In the event of fire, cool tanks with water spray. By fire, toxic gases may be formed (COx, NOx). Keep Run-off water out of sewers and water sources. Dike for water control.

In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Development of hazardous combustion gases or vapors possible in the event of a fire. The following may develop: Acrolein.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

Personal precautions: Keep unnecessary personnel away. Ventilate closed spaces before entering them. Do not touch or walk through spilled material. Wear appropriate protective equipment and clothing during clean-up.

Environmental precautions: Runoff or release to sewer, waterway is not permitted.

Methods for containment: Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable.

Methods for cleaning up Dike far ahead of spill for later disposal. Collect and dispose of spillage as indicated in section 13 of the MSDS. Never return spills in original containers for re-use.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:

The product is non-combustible. If heated, irritating vapors may be formed. Wash hands after handling. Observe good industrial hygiene practices. Do not use in areas without adequate ventilation. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a well-ventilated place. Keep the container tightly closed and dry. Store in a closed container away from incompatible materials.

OTHER PRECAUTIONS: None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS / VENTILATION: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

RESPIRATORY PROTECTION: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

EYE PROTECTION: Wear safety glasses; chemical goggles (if splashing is possible).
Wear chemical goggles.

SKIN PROTECTION: Wear suitable protective clothing and eye/face protection.

OTHER PROTECTIVE EQUIPMENT: None.

WORK HYGIENIC PRACTICES: Wash exposed skin prior to eating or drinking. Do not smoke when using this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|----------------------------------|--|---------------------------------|------------------------------|
| APPEARANCE & ODOR: | Black liquid, semi-solid at ambient temperature. | | |
| FLASH POINT: | >100 °F (>37.8 °C) | LOWER EXPLOSIVE LIMIT: | Not available |
| METHOD USED: | Not available | UPPER EXPLOSIVE LIMIT: | Not available |
| EVAPORATION RATE: | Not available | BOILING POINT: | Not available |
| pH (undiluted product): | Not available | MELTING POINT: | 300-360°F (148.9 - 182.2 °C) |
| SOLUBILITY IN WATER: | Not available | SPECIFIC GRAVITY: | 1 – 1.05 |
| VAPOR DENSITY: | Not available | PERCENT VOLATILE: | Not available |
| VAPOR PRESSURE: | Not available | MOLECULAR WEIGHT: | Not available |
| VOC WITH WATER (LBS/GAL): | 1.23 | WITHOUT WATER (LBS/GAL): | Not available |

SECTION 10: STABILITY AND REACTIVITY

THERMAL STABILITY: **STABLE X** **UNSTABLE**

CONDITIONS TO AVOID (STABILITY): Strong oxidizing agents.

INCOMPATIBILITY (MATERIAL TO AVOID): Incompatible with oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Upon decomposition, product emits acrid dense smoke with carbon dioxide, carbon monoxide; trace oxides of nitrogen and sulfur, and water.

HAZARDOUS POLYMERIZATION: Will Not Occur

SECTION 11: TOXICOLOGICAL INFORMATION**TOXICOLOGICAL INFORMATION:**

| <u>TOXICOLOGY DATA</u> | <u>PRODUCT</u> | <u>TEST DATA</u> |
|--|--|---|
| | BH5714 Component 1 (Mixture) | Acute Oral LD50 Mouse: 36252.043 mg/kg estimated Acute Oral LD50 Rat: 26632.3984 mg/kg estimated |
| ACGIH Carcinogens: | ASPHALT DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC | A4 Not classifiable as a human carcinogen. A2 Suspected human carcinogen. |
| IARC Monographs. Overall Evaluation of Carcinogenicity: | ASPHALT STODDARD SOLVENT | 2B Possibly carcinogenic to humans. Not classifiable as to carcinogenicity to humans. |
| US NTP Report on Carcinogens: Known carcinogen: | DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC | Known To Be Human Carcinogen. |

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: This product has no known eco-toxicological effects.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner in accordance with local, state or federal regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

RCRA HAZARD CLASS: D001: Waste Flammable material with a flash point <140 F

SECTION 14: TRANSPORTATION INFORMATION

U.S. DOT TRANSPORTATION

PROPER SHIPPING NAME: Tars, liquid including road oils and cut back bitumens

HAZARD CLASS: Combustible Liquid

ID NUMBER: UN 1999

PACKING GROUP: III

LABEL STATEMENT: N/A

OTHER: Special provisions B1, B13, IB3, T1, TP3
Packaging exceptions 150
Packaging non bulk 203
Packaging bulk 242
ERG number 1300

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA: One or more components are not listed on the TSCA inventory.

CERCLA: Not applicable.

SARA

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

313 REPORTABLE INGREDIENTS: Asphalt 8052-42-4

CALIFORNIA PROPOSITION 65: This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

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 | NJ | PA |
|------------------|-----------|-----|-----|-----|
| Asphalt | 8052-42-4 | Yes | Yes | Yes |
| Stoddard Solvent | 8052-41-3 | No | Yes | Yes |

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None

DATE OF PREVIOUS SDS: November 2013

CHANGES SINCE PREVIOUS SDS: Headquarters Address Change

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.