



SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: LRF Adhesive M Part B

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: HAZARD IDENTIFICATION

NFPA and HMIS RATINGS:

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

GHS LABEL ELEMENTS:

GHS CLASSIFICATION: Eye Irritant - Category 2A
Skin Irritant - Category 2
Skin Sensitizer - Category 1
Respiratory Irritant
Acute Toxicity - Category 4

GHS PICTOGRAMS:



SIGNAL WORD: Danger

HAZARD STATEMENTS:

- Causes skin irritation
- Causes serious eye irritation
- May cause respiratory irritation
- May cause an allergic reaction
- May cause allergy or asthma symptoms or breathing difficulties if inhaled

ADDITIONAL HAZARD IDENTIFICATION INFORMATION:

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

SIGNS & SYMPTOMS OF EXPOSURE

- EYES:** This product is severely irritating to the eyes. Symptoms include itching, burning, redness and tearing. May cause eye burns.
- SKIN:** This product is irritating to the skin. This product may cause an allergic skin reaction.
- INGESTION:** This product is not expected to be ingested. However, ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.
- INHALATION:** Allergic lung reaction such as asthma, which includes coughing, wheezing, chest pain and tightness, difficulty breathing and shortness of breath. It may also cause irritation of the upper respiratory tract, which includes burning of mouth, throat and chest.

ACUTE HEALTH HAZARDS: See above.

CHRONIC HEALTH HAZARDS: None known.

CARCINOGENICITY: None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| | | | OCCUPATIONAL EXPOSURE LIMITS | | |
|----------------------|------------|-----------|------------------------------|-------|-------|
| CHEMICAL NAME | CAS # | % (BY WT) | OSHA | ACGIH | OTHER |
| Polypropylene glycol | 25322-69-4 | 60 – 100 | NE | NE | NE |

| | | | | | |
|-----------------------------|---|-------|----|----|----|
| Proprietary Tertiary Amines | - | 1 – 5 | NE | NE | NE |
|-----------------------------|---|-------|----|----|----|

NE = Not Established

SECTION 4: FIRST AID MEASURES

FIRST AID PROCEDURES

- EYES:** Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Seek medical attention.
- SKIN:** Wash exposed skin with soap and water. If irritation develops or persists, seek medical attention. Discard contaminated clothing.
- INHALATION:** Move affected individual to an area free of risk from further exposure. Administer oxygen or artificial respiration as needed. Immediate or delayed asthma-like symptoms may develop. Seek medical attention.
- INGESTION:** If the material is swallowed, seek immediate medical attention. Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: None known.

SECTION 5: FIRE FIGHTING PROCEDURES

- SUITABLE EXTINGUISHING MEDIA:** Use appropriate methods for surrounding fire.
- HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide, carbon dioxide, nitrogen oxides, HCN and organic acid vapors.
- RECOMMENDED FIRE FIGHTING PROCEDURES:** Firefighters should wear full protective clothing including self contained breathing apparatus.
- UNUSUAL FIRE & EXPLOSION HAZARDS:** Containers may burst if overheated. Cool containers with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- ACCIDENTAL RELEASE MEASURES:** Absorb spill with inert material. Ventilate the contaminated area. Shovel material into appropriate container for further neutralization and disposal. Evacuate the area promptly. Keep upwind of the spilled material and isolate exposure. Avoid inhalation of vapors and mists. Surfaces may become slippery after a spill. Wear PPE for spill clean up. Stop the flow of material, if possible. Do not allow to drain to sewers.

SECTION 7: HANDLING AND STORAGE

| | |
|------------------------------|--|
| HANDLING AND STORAGE: | Keep containers properly sealed in a cool, dry, well ventilated area between 65 – 85 °F. Do not store in open, unlabeled or mislabeled containers. |
| OTHER PRECAUTIONS: | Do not reuse empty containers without proper cleaning and reconditioning. |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|--|---|
| ENGINEERING CONTROLS / VENTILATION: | Local exhaust ventilation may be required. |
| RESPIRATORY PROTECTION: | Use a NIOSH-approved organic vapor respirator if ventilation is unavailable or inadequate. |
| EYE PROTECTION: | Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist. |
| SKIN PROTECTION: | Neoprene, nitrile or butyl rubber gloves are recommended. |
| OTHER PROTECTIVE EQUIPMENT: | Eye wash station and safety shower are recommended. |
| 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: | Colorless liquid with polyether odor. | | |
| FLASH POINT: | > 350 °F | LOWER EXPLOSIVE LIMIT: | No Data |
| METHOD USED: | Pensky-Martin CC | UPPER EXPLOSIVE LIMIT: | No Data |
| EVAPORATION RATE: | No Data | BOILING POINT: | No Data |
| pH (undiluted product): | 9 – 10 | MELTING POINT: | No Data |
| SOLUBILITY IN WATER: | No Data | SPECIFIC GRAVITY: | 1.01 |
| VAPOR DENSITY: | No Data | PERCENT VOLATILE: | < 0.15 |
| 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 UNSTABLE

CONDITIONS TO AVOID (STABILITY):

Stable at room temperature. Avoid high temperatures. Avoid contact with water. Avoid contamination. Avoid contact with metals such as aluminum, brass, copper, galvanized metals, tin and zinc.

INCOMPATIBILITY (MATERIAL TO AVOID):

Water, alcohols, amines, bases and acids.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

Carbon monoxide, carbon dioxide, nitrogen oxides, HCN and organic acid vapors.

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Severely irritating to the eyes, skin and lungs. May cause allergic skin and respiratory reactions. May cause burns. May be harmful if swallowed.

Polypropylene (25322-69-4)
Oral LD50 Rat: > 2 g/kg

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Wastes must be tested using methods described in 40 CFR 261 to determine if it meets applicable definitions of hazardous wastes. Comply with state and local regulations for disposal

RCRA HAZARD CLASS: N/A

SECTION 14: TRANSPORTATION INFORMATION**DOT**

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

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

TSCA: This product and its components are listed on the TSCA 8(b) inventory.

CERCLA: None

SARA

311/312 HAZARD CATEGORIES: Acute Health Hazard

313 REPORTABLE INGREDIENTS: None

CALIFORNIA PROPOSITION 65: None

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 |
|-----------------------------|------------|----|----|-----|----|----|----|
| Polypropylene glycol | 25322-69-4 | No | No | Yes | No | No | No |
| Proprietary Tertiary Amines | - | No | No | No | No | No | No |

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None

DATE OF PREVIOUS SDS: May 2015

CHANGES SINCE PREVIOUS SDS: Product Name 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,

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