

GAF Safety Data Sheet SDS # 2176 SDS Date: April 2024

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: LRF Adhesive O Part B

MANUFACTURER: GAF

ADDRESS: 1 Campus Drive, Parsippany, NJ 07054

24 HOUR EMERGENCY

PHONE: (CHEMTREC) 800–424–9300

INFORMATION ONLY: 877-GAF-ROOF

APPROVED BY: Corporate EHS

SECTION 2: HAZARDS IDENTIFICATION

NFPA and HMIS RATINGS:

		NFPA Hazard Rating		HMIS Hazard Rating
1	Health	1	Health	1
	Flammable	1	Flammable	1
	Reactive	0	Reactive	0
	Special Hazards	<u>-</u>	Personal Protection	X

GHS LABEL ELEMENTS: Acute Oral Toxicity Category 4

Reproductive Toxicity Category 2

Physical Hazards Not Otherwise Classified: None Health Hazards Not Otherwise Classified: None

GHS PICTOGRAM:



SIGNAL WORD: Warning

HAZARD Harmful if swallowed.

STATEMENTS: Suspected of damaging fertility or the unborn child.

PRECAUTIONARY STATEMENTS:

Obtain, read and follow all safety instructions before use.

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves, protective clothing and eye protection. IF SWALLOWED: Call a POISON CENTER or doctor if you feel

unwell. Rinse mouth.

If exposed or concerned: get medical advice.

Store locked up.

Dispose of contents/container in accordance with applicable

regulations.

ADDITIONAL HAZARD IDENTIFICATION INFORMATION:

SIGNS & SYMPTOMS OF EXPOSURE

EYES: This product may cause mild eye irritation.

SKIN: This product may cause mild skin irritation. Irritation may be

more pronounced on abraded skin.

INGESTION: Harmful if swallowed. May cause nausea, vomiting, and/or

gastrointestinal irritation.

INHALATION: Inhalation of toxicologically significant quantities of ingredients is

unlikely when the product is used in a well-ventilated area and in

accordance with instructions.

ACUTE HEALTH HAZARDS: See above.

CHRONIC HEALTH HAZARDS: Long-term chronic ingestion may damage the kidneys and the

gastrointestinal system.

CARCINOGENICITY: None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

			OCCUPATIONAL EXPOSURE LIMITS		
CHEMICAL NAME	CAS#	% (BY WT)	OSHA	ACGIH	OTHER
Diethylene Glycol	111-46-6	10 - 20	NE	NE	10 mg/m3 AIHA WEEL
Polypropylene Glycol	25322-69-4	10 - 20	NE	NE	10 mg/m3 AIHA WEEL

2,2,4-trimethyl-1,3-pent	6846-50-0	<10	NE	NE	NE
anediol diisobutyrate					

Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

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. Remove contact lenses, if present. Seek medical

attention.

SKIN: Wash exposed skin with soap and water. If irritation develops or

persists, seek medical attention. Discard contaminated clothing.

INHALATION: If signs and symptoms of respiratory toxicity are observed, remove

subject from area and seek immediate medical attention. Keep the subject warm and at rest. If necessary, administer oxygen or perform artificial respiration if necessary and qualified personnel are available to

do so.

INGESTION: DO NOT induce vomiting. If the subject is conscious, wash mouth and

give 2 or more cups of milk or water. Seek medical assistance. Do not attempt to give anything by mouth to an unconscious or convulsive

person.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

This product is harmful by ingestion. Eye contact can cause mild irritation. Skin contact can cause mild irritation. Ingestion is unlikely to occur in industrial use, but if ingestion occurs it may cause nausea,

vomiting, and gastrointestinal irritation.

SECTION 5: FIRE FIGHTING PROCEDURES

SUITABLE EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical or chemical foam.

DO NOT use water jet.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, other undetermined

compounds.

RECOMMENDED FIRE FIGHTING

PROCEDURES:

Firefighters should wear full protective clothing including self

contained breathing apparatus.

UNUSUAL FIRE & EXPLOSION

HAZARDS:

This product may ignite if exposed to sources of ignition at

temperatures above its flash point. If present in a fire or explosion, potential thermal decomposition byproducts include

carbon monoxide, smoke, and irritant decomposition

byproducts.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Absorb spilled material with an inert sorbent such as

vermiculite, or calcium silicate hydrate. When absorbed,

transfer to an impervious container.

Avoid contact with skin, eyes, and mucous membranes. Wear appropriate personal protective equipment (see Section #8)

during cleanup and decontamination.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Containers should be kept tightly closed to prevent contact

with moisture and other chemicals. Do not reuse empty containers for any purpose. When handling this product, avoid contact with eyes, skin, clothing, using protective equipment as needed. Do not use this product around children and

secure it away from children.

To prevent ingestion or contact following use of this product, wash hands and face before eating, drinking, applying cosmetics, or using tobacco. Remove contaminated clothing and protective equipment before entering eating/drinking

areas.

OTHER PRECAUTIONS: Store containers tightly sealed in a dry, well-ventilated area

away from incompatible materials (see Section #10). Recommended temperature range for storage is 55-85°F.

(12.8-29.4°C.).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS /

VENTILATION:

Provide adequate local ventilation to maintain worker

exposure below exposure limits.

RESPIRATORY PROTECTION: When workers are facing concentrations above the

occupational exposure limits they must use appropriate

NIOSH certified respirators.

EYE PROTECTION: Wear safety glasses and a face shield or chemical goggles.

SKIN PROTECTION: Wear protective gloves and clothing to prevent skin irritation or

injury from contact with the product. Glove materials known to be effective against permeation by this product include butyl

rubber, nitrile rubber, and polyvinyl alcohol.

OTHER PROTECTIVE EQUIPMENT: Eye wash stations and safety showers are recommended.

WORK HYGIENIC PRACTICES: Wash exposed skin prior to eating, drinking or smoking and at

the end of each shift. Immediately remove all soiled and

contaminated clothing. Avoid contact with the skin.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR:	Brown viscous liquid with a mildly sweet odor.		
FLASH POINT:	~375°F./191°C.	LOWER EXPLOSIVE LIMIT:	Not Determined
METHOD USED:	Open cup	UPPER EXPLOSIVE LIMIT:	Not Determined
EVAPORATION RATE:	Not Determined	BOILING POINT:	Not Determined
IGNITION TEMPERATURE:	Not Determined	MELTING POINT:	Not Determined
SOLUBILITY IN WATER:	Partly	DENSITY	Not Determined
VAPOR DENSITY:	Not Determined	pH:	Not Determined
VAPOR PRESSURE:	Not Determined	MOLECULAR WEIGHT:	Not Determined
VOC AFTER MIXING (G/L):	<5		

SECTION 10: STABILITY AND REACTIVITY

THERMAL STABILITY: STABLE X UNSTABLE

CONDITIONS TO AVOID (STABILITY): Polymerizes with isocyanate-containing substances.

INCOMPATIBILITY (MATERIAL TO

AVOID):

Oxidizing agents.

HAZARDOUS DECOMPOSITION OR

BY-PRODUCTS:

Carbon monoxide, carbon dioxide, smoke, and irritant

decomposition byproducts

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredients Toxicology Data	<u>LD₅₀ Oral</u>	LD ₅₀ Dermal	<u>LC₅₀</u>
Diethylene Glycol	16,500 mg/kg (rat)	13,330 mg/kg (rabbit)	>4.6 mg/L/4h (rat)
Polypropylene Glycol	1000-2000 mg/kg (rat)	>10000 mg/kg (rabbit)	No data available
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	>2000 mg/kg (rat)	>2,000 mg/kg (rabbit)	>0.12 mg/L/6h (rat)

Primary Route(s) of Entry: Inhalation; ingestion

Eye Hazards: This product may cause mild eye irritation.

Skin Hazards: This product may cause mild skin irritation. Irritation may be

more pronounced on abraded skin.

Ingestion Hazards: Harmful if swallowed. May cause nausea, vomiting, and/or

gastrointestinal irritation.

Inhalation Hazards: Inhalation of toxicologically-significant quantities of ingredients is

unlikely when the product is used in a well-ventilated area and in

accordance with instructions.

Symptoms Related to

Overexposure: Inhalation overexposure may cause respiratory irritation.

Delayed Effects from

Long Term Overexposure: Long-term chronic ingestion may damage the kidneys and the

gastrointestinal system.

No ingredients are classified as potential or confirmed human Carcinogenicity:

carcinogens by OSHA, NTP, or IARC.

Germ Cell Mutagenicity: No ingredients have been determined to be germ cell mutagens. **Reproductive Toxicity:**

2,2,4-trimethyl-1,3-pentanediol diisobutyrate is suspected to be

damaging to fertility or to the unborn child.

Acute Toxicity Estimates:

LD50 (oral): 1667 mg/kg LD50 (dermal): >2,000 mg/k

SECTION 12: ECOLOGICAL INFORMATION

Diethylene Glycol

Aquatic Toxicity to Fish: LC50 = >100 mg/l. for 96 h. (fathead minnows) Aquatic Toxicity to Invertebrates: EC50 = >10,000 mg/l. for 48 h. (daphnia)

Readily biodegradable.

Polypropylene Glycol

Aquatic Toxicity to Fish: LC50 = >100 mg/l. for 96 h

Readily biodegradable, not bioaccumulative

2,2,4-trimethyl-1,3-pentanediol diisobutyrate

Aquatic Toxicity to Fish: LC50 = 6 mg/l. for 96 h. (limit of solubility) Aquatic Toxicity to Invertebrates: EC50 = >1.46 mg/l. for 48 h. (daphnia)

(limit of solubility)

Chronic Toxicity to Invertebrates: NOEC 0.7 mg/L/21d (daphnia)

Readily biodegradable, not bioaccumulative

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal of substance: Do not discharge waste product into sanitary or storm sewers or

allow it to contaminate soil. Empty containers should be

decontaminated prior to disposal. Consult applicable Federal, State/Provincial, and local regulations.

SECTION 14: TRANSPORTATION INFORMATION

DOT

Not classified as a dangerous good under transport regulations.

IATA

Not classified as a dangerous good under transport regulations.

IMDG

Not classified as a dangerous good under transport regulations.

SECTION 15: REGULATORY INFORMATION

Federal Regulations

Registration status:

Chemical TSCA, US All ingredients of this product are listed in the TSCA Registry.

311/312 HAZARD CATEGORIES: Acute, Chronic Health Hazard

EPCRA 311/312 (Hazard categories): This product contains no ingredients in concentrations >1% (>0.1% for

carcinogens) regulated under Section 313 of the Emergency Planning

and Community Right-To-Know Act of 1986 or 40 CFR 372.

CALIFORNIA PROP. 65: Not applicable.

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None

DATE OF PREVIOUS SDS: 2/2018

CHANGES SINCE PREVIOUS SDS: Ingredient change.

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