

GAF Safety Data Sheet SDS # 2147

SDS Date: November 2022

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: LRF Adhesive M Canister Part A

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
	Health	3	Health	2
	Flammable	0	Flammable	0
Ī	Reactive	0	Reactive	0
	Special Hazards	-	Personal Protection	X

GHS LABEL ELEMENTS:

GHS CLASSIFICATION: Target Organ (SE) - Category 3

Target Organ (RE) - Category 2 Acute Toxicity - Category 4 Skin Irritant - Category 2 Skin Sensitizer - Category 1 Respiratory Irritant Eye Irritant - Category 2A Resp. Sensitizer - Category 1

Press. Gas

GHS PICTOGRAMS:

SIGNAL WORD: Danger

HAZARD STATEMENTS:

Contains gas under pressure, may explode if heated.

May cause damage to organs through prolonged or repeated

exposure.

Causes skin irritation.
Causes serious eye irritation.
May cause an allergic reaction.
May cause respiratory irritation.

May cause allergy or asthma symptoms or breathing difficulties if

inhaled.

Harmful if inhaled.

PRECAUTIONARY STATEMENTS:

Obtain special instructions before use.

Do not handle until all safety precautions have been read and

understood.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing must not be allowed out of the workplace.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face

protection.

[In case of inadequate ventilation] wear respiratory protection.

If on skin: Wash with plenty of water.

IF INHALED: Remove person to fresh air and keep comfortable for

breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do.

Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

Call a poison center/doctor if you feel unwell.

Specific treatment (see on this label).

Get medical advice/attention if you feel unwell.

Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

If experiencing respiratory symptoms: Call a poison center/doctor.

ADDITIONAL HAZARD IDENTIFICATION INFORMATION:

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

SIGNS & SYMPTOMS OF EXPOSURE

EYES: This product is irritating to the eyes.

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.

ACUTE HEALTH HAZARDS: See above.

CHRONIC HEALTH HAZARDS: Repeated inhalation and skin contact exposures may cause sensitization.

CARCINOGENICITY: None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

			OCCUPATIONAL EXPOSURE LIMITS			
CHEMICAL NAME	CAS#	% (BY WT)	OSHA	ACGIH	OTHER	
diphenylmethanediiso cyanate,isomeres and homologues	9016-87-9	50 – 100	NE	NE	NE	
4,4'-Methylene Bisphenol Isocyanate (MDI)	101-68-8	25 – 50	0.02 ppm – ceiling	0.005 ppm	0.005 ppm; 0.02 ppm – ceiling (10 min.)	
Methylene Bisphenol Isocyanate (MDI)	26447-40-5	2.5 – 10	NE	NE	NE	
trans-1-Chloro-3,3,3-t rifluoropropene	102687-65-0	2.5 – 10	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. Rinse

out mouth with water. Drink 1 - 2 glasses of water but 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: Water spray, carbon dioxide, or dry chemical. Fight larger fires

with water spray. Use fire fighting measures that suit the

environment.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, oxides of nitrogen, dense

black smoke, hydrogen cyanide, isocyanic acid, other

undetermined compounds.

RECOMMENDED FIRE FIGHTING

PROCEDURES:

Firefighters should wear full protective clothing including self

contained breathing apparatus.

UNUSUAL FIRE & EXPLOSION

HAZARDS:

Containers may burst if overheated. This product reacts with

water producing carbon dioxide gas. Do not reseal

contaminated containers as a hazardous pressure build up

could result in container rupture.

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 32 – 90 °F. Do not store in open, unlabeled or

mislabeled containers.

Do not spray on a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not

pierce or burn, even after use.

OTHER PRECAUTIONS: Product reacts with water and may produce heat and/or gases.

Empty containers may contain hazardous residuals. Keep away

from heat, sparks and open flame. DO NOT cut,

drill, puncture, weld or grind on or near full, partially full or empty

product containers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS / Provide adequate local ventilation to maintain worker exposure

VENTILATION: below exposure limits.

RESPIRATORY PROTECTION: Use a NIOSH-approved respirator to protect against inhalation of

vapors. A respirator should be used if ventilation is unavailable, or is inadequate for keeping vapor levels below the applicable exposure limits. Consult the respirator manufacturer to determine

the appropriate type of equipment for a given application.

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

SKIN PROTECTION: The use of neoprene, nitrile or butyl rubber gloves is

recommended.

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 eyes and skin.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR:	Dark brown aerosol liquid with faint aromatic odor.				
FLASH POINT:	No Data	LOWER EXPLOSIVE LIMIT:	No Data		
METHOD USED:	Pensky-Martin CC	UPPER EXPLOSIVE LIMIT:	No Data		
EVAPORATION RATE:	No Data	BOILING POINT:	392 °F		
IGNITION TEMPERATURE:	500 °F	MELTING POINT:	No Data		
SOLUBILITY IN WATER:	Not Miscible	SPECIFIC GRAVITY:	1.22		
VAPOR DENSITY:	No Data	PERCENT VOLATILE:	No Data		
VAPOR PRESSURE:	0 mm Hg	MOLECULAR WEIGHT:	No Data		
VOC WITH WATER (G/L):	<50	SPECIFIC GRAVITY (LBS/GAL):	No Data		

SECTION 10: STABILITY AND REACTIVITY	

THERMAL STABILITY: STABLE X UNSTABLE \square

CONDITIONS TO AVOID (STABILITY): Contact with moisture, other materials that react with

isocyanates, or temperatures above 350F (177C), may

cause polymerization.

Avoid heat, flames, sparks.

MDI reacts slowly with water to form Carbon Dioxide gas. The

gas can cause sealed containers to expand and

possibly rupture.

Avoid contact with water.

Reacts with amines, caustic alkali solutions, alcohols,

ammonia, oxidizers, acids, polyols.

Reacts with water forming carbon dioxide-may rupture sealed

containers if contaminated with water.

May produce violent reactions with bases and numerous

organic substances including alcohols and amines.

INCOMPATIBILITY (MATERIAL TO

AVOID):

Reacts with oxidizing agents.

Water reactive, keep away from contact with water.

HAZARDOUS DECOMPOSITION OR

BY-PRODUCTS:

Carbon dioxide, hydrocarbons and other undetermined

compounds.

HAZARDOUS POLYMERIZATION: Contact with moisture, other materials that react with

isocyanates, or temperatures above 350F, may cause

polymerization.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: 4.4' Methylene Bisphenol Isocyanate (MDI)

Oral LD50 Mouse: 2200 mg/kg

Primary irritant effect:

□ on the skin:

Skin irritant.

Irritant to skin and mucous membranes.

□ on the eve:

Causes serious eye irritation.

Vapors may be irritating to the eyes.

Irritating effect.

☐ Sensitization:

Skin Contact - May cause allergic skin reaction.

Inhalation - Sensitization possible through inhalation.

Skin Contact - Sensitization possible through skin contact.

☐ Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Harmful

Irritant

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Toxic to fish.

Do not allow undiluted product or large quantities of it to reach groundwater, water course or sewage system.

Toxic for aquatic organisms

Water hazard class 2 (Self-assessment): hazardous for water

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Must not be disposed of together with household garbage. Do not allow

product to reach sewage system. Must be specially treated adhering to

official regulations.

Disposal must be made according to official regulations.

SECTION 14: TRANSPORTATION INFORMATION

DOT

Chemical under pressure, n.o.s. (trans-1-Chloro-3,3,3-trifluoropropene)

Class 2.2

Label 2.2

IATA

Chemical under pressure, n.o.s. (trans-1-Chloro-3,3,3-trifluoropropene)

IMDG

Chemical under pressure, n.o.s. (trans-1-Chloro-3,3,3-trifluoropropene)

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

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

inventory.

CERCLA Hazardous Substances (40 CFR 302)

Reportable Quantity - Components

4,4'-Methylene Bisphenol Isocyanate (MDI): 101-68-8, 5000 lbs.

SARA

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

313 REPORTABLE INGREDIENTS: 4,4'-Methylene Bisphenol Isocyanate (MDI), 101-68-8, 30 – 60%

diphenylmethanediisocyanate, isomeres and homologues,

9016-87-9, 30-60%

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
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4,4'-Methylene Bisphenol Isocyanate (MDI)	101-68-8	Yes	Yes	Yes	Yes	Yes	Yes
diphenylmethanediisocyanate ,isomeres and homologues	9016-87-9	Yes	Yes	Yes	Yes	Yes	Yes

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None

DATE OF PREVIOUS SDS: May 2020

CHANGES SINCE PREVIOUS SDS: Ingredient Change

This information relates to the specific material designated and may not be valid for such material used in 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.