GAF
Safety Data Sheet
SDS # 2176
SDS Date: September 2016

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME:	LRF Adhesive O 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
Health	*1*	**Health**	*1*
Flammable	*1*	***Flammable***	*1*
Reactive	*0*	**Reactive**	*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
Respiratory Sensitizer
Target Organ (SE) - Category 3
Target Organ (RE) - Category 2
Carcinogen - Category 2
Acute Toxicity - Category 4

GHS PICTOGRAMS: 

SIGNAL WORD: Danger

HAZARD STATEMENTS:

May cause damage to organs through prolonged or repeated exposure
Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation
May cause an allergic skin reaction
May cause allergy or asthma symptoms or breathing difficulties if inhaled
Suspected of causing cancer
Harmful if swallowed

ADDITIONAL HAZARD IDENTIFICATION INFORMATION:

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

SIGNS & SYMPTONS OF EXPOSURE

EYES: Contact may cause eye irritation and injury.

SKIN: May be a skin irritant. A single, prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

INGESTION: This product is not expected to be ingested. However, it is harmful if swallowed.

INHALATION: Avoid breathing vapors or mists. Prolonged or excessive inhalation may cause respiratory tract irritation.

ACUTE HEALTH HAZARDS: See above.

CHRONIC HEALTH HAZARDS: May cause target organ damage, based on animal data. Organs include bladder, respiratory tract, liver, kidney, central nervous system and gastrointestinal tract.

CARCINOGENICITY: None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

			OCCUPATIONAL EXPOSURE LIMITS		
CHEMICAL NAME	**CAS #**	**% (BY WT)**	**OSHA**	**ACGIH**	**OTHER**
Proprietary Blend of Materials	-	60	NE	NE	NE

Diethylene glycol	111-46-6	20	NE	NE	NE
Dipropylene glycol	25265-71-8	10	NE	NE	NE
Polyether polyol	25322-69-4	15	NE	NE	10 mg/m3 (WEEL)
Propanoic acid, 2-methyl-, 2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl ester	6846-50-0	15	NE	NE	NE

NE = Not Established

SECTION 4: FIRST AID MEASRURES

FIRST AID PROCEDURES

EYES: After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops or persists.

SKIN: Immediately wash skin with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention if irritation develops and persists.

INHALATION: Remove to fresh air if effects occur. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if cough or other symptoms develop.

INGESTION: If swallowed, get immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: None known.

SECTION 5: FIRE FIGHTING PROCEDURES

SUITABLE EXTINGUISHING MEDIA: Water fog or fine spray, carbon dioxide, alcohol resistant foams are preferred or dry powder. Do not use a direct water stream.

HAZARDOUS COMBUSTION PRODUCTS: During fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds; carbon monoxide, carbon dioxide.

RECOMMENDED FIRE FIGHTING PROCEDURES: Firefighters should wear full protective clothing including positive pressure self contained breathing apparatus.

UNUSUAL FIRE & EXPLOSION Containers may rupture from gas generation in fire situation.

HAZARDS: Violent steam generation or eruption may occur upon application of direct stream to hot liquids.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Contain spilled material. Absorb spill with inert material. Place in a closed container, but do not seal. For larger spills, absorb with inert material, and then place in a chemical waste container. Product produces slippery conditions. Treat or dispose of waste in accordance with all local, state and federal requirements.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Keep containers properly sealed in a cool, dry, well ventilated area between 60 – 80 °F. Close container after each use. Keep containers closed to avoid contamination. Keep out of reach of children. Avoid extreme temperatures.

OTHER PRECAUTIONS: Shelf life is 8 months at 26.7 °C in original, sealed containers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS / VENTILATION: Local exhaust ventilation may be required.

RESPIRATORY PROTECTION: When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

EYE PROTECTION: Safety glasses are recommended.

SKIN PROTECTION: Selection of specific items such as gloves, boots, apron or full body suit will depend on operation.

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:	Brown liquid with slight sweet odor.		
FLASH POINT:	190.6 °C	**LOWER EXPLOSIVE LIMIT:**	No Data

METHOD USED:	TCC	**UPPER EXPLOSIVE LIMIT:**	No Data
EVAPORATION RATE:	No Data	**BOILING POINT:**	No Data
pH (undiluted product):	No Data	**MELTING POINT:**	No Data
SOLUBILITY IN WATER:	No Data	**SPECIFIC GRAVITY:**	No Data
VAPOR DENSITY:	No Data	**PERCENT VOLATILE:**	No Data
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 X** **UNSTABLE** ☐

CONDITIONS TO AVOID (STABILITY): Avoid high temperatures.

INCOMPATIBILITY (MATERIAL TO AVOID): Avoid contact with strong oxidizing agents. Avoid contact with strong acids and bases.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Diethylene Gycol

Ingestion LD50 Rat: 12,565 mg/kg

Skin Absorption LD50 Rabbit: 12,510 mg/kg

Inhalation LC50 Rat: 4.4 mg/l (4 hours)

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Bioconcentration potential is low (BCF less than 100 or log Pow less than 3). Based in the straight test guidelines, some of this material cannot be considered as readily biodegradable. However, these results do not necessarily mean that the material is not biodegradable under environmental conditions. Material is practically non-toxic to aquatic organisms on an acute basis (LC50 > 100 mg/l in most sensitive species).

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, Chronic 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
Propietary Blend of Materials	-	No	No	No	No	No	No
Diethylene glycol	111-46-6	No	No	Yes	No	Yes	No
Dipropylene glycol	25265-71-8	No	No	No	No	Yes	No
Polyether polyol	25322-69-4	No	No	No	Yes	Yes	No
Propanoic acid, 2-methyl-, 2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl ester	6846-50-0	No	No	No	No	No	No

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None

DATE OF PREVIOUS MSDS: April 2015

CHANGES SINCE PREVIOUS MSDS: 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, 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.