GAF
Safety Data Sheet
SDS # 2257
SDS Date: June 2017

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME:	OlyBond 500 Canister Part 2
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 2B
Target Organ (RE) - Category 2
Gases Under Pressure – Compressed Gas

GHS PICTOGRAMS: 

SIGNAL WORD: Warning

HAZARD STATEMENTS:
May cause eye irritation.
May cause damage to the kidneys and/or gastrointestinal system through prolonged or repeated exposure.
Contains gas under pressure; may explode if heated.

ADDITIONAL HAZARD IDENTIFICATION INFORMATION:

PRIMARY ROUTE OF EXPOSURE: Inhalation, Ingestion

SIGNS & SYMPTONS OF EXPOSURE

EYES: This product may cause mild to moderate eye irritation.

SKIN: This product may cause mild skin irritation. Irritation may be more pronounced on abraded skin.

INGESTION: The product is nontoxic by ingestion, but ingestion 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: N/A

CHRONIC HEALTH HAZARDS: Chronic ingestion can cause kidney injury.

CARCINOGENICITY: No ingredients are classified as potential or confirmed human carcinogens by OSHA, NTP, or IARC.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

			OCCUPATIONAL EXPOSURE LIMITS		
CHEMICAL NAME	**CAS #**	**%**	**OSHA**	**ACGIH**	**OTHER**
Diethylene Glycol	111-46-6	<15	NE	NE	NE
Dipropylene Glycol	25265-71-8	<15	NE	NE	NE
1,1,1,2 Tetrafluoroethane	811-97-2	10-15	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 immediate medical attention.
SKIN:	Remove contaminated clothing and shoes. Immediately wash exposed area with soap and water. Get medical attention immediately.
INHALATION:	Move individual away from exposure and into fresh air. If not breathing, give artificial respiration. Get immediate medical attention.
INGESTION:	DO NOT induce vomiting. If swallowed, immediately give 2 glasses of water. Contact a physician. Never give anything by mouth to an unconscious person. Get immediate medical attention.
NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:	None of the components of this product are acutely toxic by ingestion or inhalation. Eye contact can cause mild to moderate 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. Chronic ingestion can cause kidney injury.

SECTION 5: FIRE FIGHTING PROCEDURES

SUITABLE EXTINGUISHING MEDIA:	Water, Carbon dioxide, foam or dry chemical. Do not use a direct water stream.
HAZARDOUS COMBUSTION PRODUCTS:	The container may burst if exposed to elevated temperatures, spilling the contents. 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.
RECOMMENDED FIRE FIGHTING PROCEDURES:	Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).
UNUSUAL FIRE & EXPLOSION HAZARDS:	N/A

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:	Stop spill at source, dike area of spill to prevent spreading. Absorb spill with inert material such as dry sand or earth and place in a chemical waste container.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:	Avoid extreme temperatures. Containers should be kept tightly closed to prevent contact with moisture and other chemicals. Do not reuse empty containers for any purpose. When handling the product, avoid contact with eyes, skin,and clothing, using protective equipment as needed. Do not use this product around children, and secure it away from children.
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:	Use appropriate ventilation (dilution or local exhaust) whenever natural ventilation is restricted or inadequate to maintain concentrations of all components within their applicable standards.
RESPIRATORY PROTECTION:	If workplace exposure limit(s) of product or any component is exceeded, a NIOSH-approved respirator is advised in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure.
EYE PROTECTION:	Wear eye protection adequate to prevent eye contact with the product. Plastic-frame spectacles with side shields, chemical goggles, or a face shield are recommended. Do not wear contact lenses when working with this product.
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:	N/A
WORK HYGIENIC PRACTICES:	Wash hands thoroughly after handling and before eating, drinking, smoking and using the toilet. Launder contaminated clothing before re-use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR:	Viscous red liquid with a mildly sweet odor.		
FLASH POINT:	Not determined	**LOWER EXPLOSIVE LIMIT:**	Not determined
METHOD USED:	Not determined	**UPPER EXPLOSIVE LIMIT:**	Not determined
EVAPORATION RATE:	Not determined	**BOILING POINT:**	Not determined
pH (undiluted product):	Not determined	**MELTING POINT:**	Not determined
SOLUBILITY IN WATER:	Slight	**SPECIFIC GRAVITY:**	1.03
VAPOR DENSITY:	Not determined	**PERCENT VOLATILE:**	Not determined
VAPOR PRESSURE:	>200 psi	**MOLECULAR WEIGHT:**	Not determined
VOC WITH WATER (LBS/GAL):	Not determined	**WITHOUT WATER (LBS/GAL):**	Not determined

SECTION 10: STABILITY AND REACTIVITY

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

CONDITIONS TO AVOID (STABILITY): Avoid high temperatures.

INCOMPATIBILITY (MATERIAL TO AVOID): Avoid contact with oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon monoxide, carbon dioxide, smoke, and irritant decomposition byproducts.

HAZARDOUS POLYMERIZATION: Polymerizes with isocyanate-containing substances.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Diethylene glycol
LD 50/Rat Oral: 14,850 mg/kg
LD 50/Hamster Dermal: 11,890 mg/kg

Dipropylene glycol
LD 50/Rat Oral: 12,565 mg/kg
LD 50/Rabbit Dermal: >20,000 mg/kg

1,1,1,2-Tetrafluorethane
LC 50/Rat: >2,300 mg/l

Carcinogenicity: No ingredients are classified as potential or confirmed human carcinogens by OSHA, NTP, or IARC.
Germ Cell Mutagenicity: No ingredients have been determined to be germ cell mutagens.
Reproductive Toxicity: No ingredients have been determined to be damaging to fertility or to the unborn child.
Acute Toxicity
Estimates:
LD_{50} (oral): >10,000 mg/kg
LD_{50} (dermal): >10,000 mg/kg
LC_{50}: no data available

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

Diethylene Glycol No data available for Aquatic Toxicity to Fish, Invertebrates, Plants, or Microorganisms, Toxicity to Terrestrial Organisms, Persistence and Degradability, Bioaccumulation Potential, or Mobility in Soil.
Dipropylene Glycol No data available for Aquatic Toxicity to Fish, Invertebrates, Plants, or Microorganisms, Toxicity to Terrestrial Organisms, Persistence and Degradability, Bioaccumulation Potential, or Mobility in Soil.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not discharge waste product into sanitary sewers or allow it to contaminate soil. It is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or residue of the product remains classified a hazardous waste as per 40 CFR 261, Subpart C. State or local regulations may also apply if they differ from the federal regulation.

SECTION 14: TRANSPORTATION INFORMATION

U.S. DOT / IATA / IMDG

PROPER SHIPPING NAME:	Chemical Under Pressure n.o.s. (contains fluorinated hydrocarbon, nitrogen)
HAZARD CLASS:	2.2
ID NUMBER:	UN3500
PACKING GROUP:	N/A

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

United States Regulatory Information
TSCA Information: All ingredients of this product are listed in the TSCA Registry.
SARA Hazard Classes:
Acute Health Hazard, Chronic Health Hazard

CALIFORNIA PROPOSITION 65: Not applicable.

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
Diethylene Glycol	111-46-6	No	No	No	No	No	Yes
Dipropylene Glycol	25265-71-8	No	No	No	No	No	No

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: N/A

DATE OF PREVIOUS SDS: N/A

CHANGES SINCE PREVIOUS SDS: N/A – New Product.

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.