GAF
Safety Data Sheet
SDS # 2171
SDS Date: October 2013

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME:	OlyBond 500™ Part 2 (Red)
TRADE NAME:	N/A
CHEMICAL NAME / SYNONYM:	Polyurethane System Resin Component
CHEMICAL FAMILY:	N/A
MANUFACTURER:	GAF
ADDRESS:	1361 Alps Road, Wayne, NJ 07470
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	*3*	**Health**	*3*
Flammable	*0*	***Flammable***	*0*
Reactive	*0*	**Reactive**	*0*
Special Hazards	-	**Personal Protection**	X

GHS LABEL ELEMENTS:

GHS CLASSIFICATION:

Eye Irritant - Category 2A
Eye Damage - Category1
Skin Irritant - Category 2
Skin Sensitizer - Category 1
Respiratory Sensitizer - Category 1
Target Organ (SE) - Category 2
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 an allergic reaction
May cause respiratory irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled
Toxic if inhaled
Toxic if swallowed
Suspected of causing cancer
May cause genetic defects

ADDITIONAL HAZARD IDENTIFICATION INFORMATION:

PRIMARY ROUTE OF EXPOSURE: Inhalation, Skin contact

SIGNS & SYMPTONS OF EXPOSURE

EYES: 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: Could be fatal if swallowed.

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

ACUTE HEALTH HAZARDS: N/A

CHRONIC HEALTH HAZARDS: N/A

CARCINOGENICITY: Ethylene Oxide is classified as a Group 1 carcinogen (carcinogenic to humans) by the International Agency for Research on Cancer (IARC).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

			OCCUPATIONAL EXPOSURE LIMITS		
CHEMICAL NAME	**CAS #**	**%**	**OSHA**	**ACGIH**	**OTHER**
Proprietary Blend of Materials	-	<60	NE	NE	NE
Ethylene Oxide	75-21-8	<0.1	1 ppm	1 ppm	<0.1 ppm

Diethylene Glycol	111-46-6	<10	NE	NE	NE
Dipropylene Glycol	25265-71-8	<10	NE	NE	NE
Polyether Polyol	25322-69-4	<15	NE	NE	NE
(CH2H40) NC10H220	26183-52-8	<10	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 or persists.

INHALATION: Move individual away from exposure and into fresh air. If rapid recovery does not occur, get medical attention.

INGESTION: Do not induce vomiting. Get immediate medical attention.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

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: During fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.

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. Keep container closed when not in use. Store in a cool dry place, (60.1^{o} F – 80.1^{o} F). Shelf life is 18 months at 80.1^{o} F.

OTHER PRECAUTIONS: N/A

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS / VENTILATION: Local exhaust ventilation or other engineering controls may be needed to control airborne levels below recommended exposure limits.

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: Safety glasses should be worn.

SKIN PROTECTION: Selection of specific PPE such as boots, gloves, aprons, and full body suit will depend on operation.

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. Product produces slippery conditions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR:	Red liquid with a slight sweet odor.		
FLASH POINT:	375.1^{o} F	**LOWER EXPLOSIVE LIMIT:**	No data
METHOD USED:	PMCC	**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:	Slight	**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 acids and bases.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: N/A

HAZARDOUS POLYMERIZATION: Will not occur if handled and stored properly.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Acute oral toxicity

Low Toxicity LD 50/Rat: > 2,000 mg/kg

Ethylene Oxide LD 50/Rat: 72 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Alcohol ethoxylates are moderately toxic to aquatic organisms.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This product, as supplied, is regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. If discarded in its purchased form, this product is a RCRA hazardous waste. 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.

RCRA HAZARD CLASS: Ethylene Oxide 75-21-8 RCRA Code: U115

SECTION 14: TRANSPORTATION INFORMATION

U.S. DOT TRANSPORTATION

PROPER SHIPPING NAME: N/A

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL STATEMENT: N/A

OTHER: N/A

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

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

CERCLA: Ethylene Oxide 75-21-8

SARA

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

313 REPORTABLE INGREDIENTS: Ethylene Oxide 75-21-8 10 lb

CALIFORNIA PROPOSITION 65: This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm. Cancer: Ethylene Oxide. Reproductive: Ethylene Oxide.

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
Proprietary Blend of Materials	-	No	No	No	No	No	No

Ethylene Oxide	75-21-8	Yes	Yes	Yes	Yes	Yes	Yes
Diethylene Glycol	111-46-6	No	No	No	No	No	Yes
Dipropylene Glycol	25265-71-8	No	No	No	No	No	No
Polyether Polyol	25322-69-4	No	No	No	No	No	No
(CH2H40) NC10H220	26183-52-8	No	No	No	No	No	No

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: N/A

DATE OF PREVIOUS SDS: March 2011

CHANGES SINCE PREVIOUS SDS: GHS formatting changes.

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.