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**SECTION 1: PRODUCT AND COMPANY INFORMATION**

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**PRODUCT NAME:** OlyBond 500™ Green Part 2 (Green)  
**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

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**SECTION 2: HAZARD IDENTIFICATION**

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**NFPA and HMIS RATINGS:**

	NFPA Hazard Rating		HMIS Hazard Rating
	1		1
	0		0
	0		0
Special Hazards	-	Personal Protection	X

**GHS LABEL ELEMENTS:**

**GHS CLASSIFICATION:** Eye Irritant - Category 2A  
Skin Irritant - Category 2  
Respiratory Irritant  
Target Organ (SE) - Category 2  
Target Organ (RE) - Category 2

GHS PICTOGRAMS:



SIGNAL WORD: Warning

HAZARD

STATEMENTS:

May cause damage to organs through prolonged or repeated exposure  
 Causes skin irritation  
 Serious eye irritation  
 Harmful if swallowed  
 May cause respiratory irritation

**ADDITIONAL HAZARD IDENTIFICATION INFORMATION:**

PRIMARY ROUTE OF EXPOSURE: Inhalation, Ingestion, Skin contact

**SIGNS & SYMPTOMS OF EXPOSURE**

EYES: May cause eye irritation.

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

INGESTION: Harmful 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**

CHEMICAL NAME	CAS #	%	OCCUPATIONAL EXPOSURE LIMITS		
			OSHA	ACGIH	OTHER
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

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NE = Not Established

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**SECTION 4: FIRST AID MEASURES**

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**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:** Get medical attention if irritation develops or persists.
- INHALATION:** Move individual away from exposure and into fresh air. Get medical attention if irritation develops or persists.
- INGESTION:** Do not induce vomiting. Get immediate medical attention.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** N/A

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**SECTION 5: FIRE FIGHTING PROCEDURES**

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- SUITABLE EXTINGUISHING MEDIA:** Water, Carbon dioxide, foam or dry chemical. Do not use a direct water stream.
- HAZARDOUS COMBUSTION PRODUCTS:** Carbon dioxide
- RECOMMENDED FIRE FIGHTING PROCEDURES:** Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).
- UNUSUAL FIRE & EXPLOSION HAZARDS:** N/A
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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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- 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.
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**SECTION 7: HANDLING AND STORAGE**

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- HANDLING AND STORAGE:** Avoid extreme temperatures. Keep container closed when not in use. Store in a cool dry place, (60.1° F – 80.1° F). Shelf life is 18 months at 80.1° F. Keep away from heat and flame.

**OTHER PRECAUTIONS:** None.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**


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**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.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**


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<b>APPEARANCE &amp; ODOR:</b>	Dark green liquid with a slight sweet odor.		
<b>FLASH POINT:</b>	375.1° F	<b>LOWER EXPLOSIVE LIMIT:</b>	No data
<b>METHOD USED:</b>	PMCC	<b>UPPER EXPLOSIVE LIMIT:</b>	No data
<b>EVAPORATION RATE:</b>	No data	<b>BOILING POINT:</b>	No data
<b>pH (undiluted product):</b>	No data	<b>MELTING POINT:</b>	No data
<b>SOLUBILITY IN WATER:</b>	Slight	<b>SPECIFIC GRAVITY:</b>	No data
<b>VAPOR DENSITY:</b>	No data	<b>PERCENT VOLATILE:</b>	No data
<b>VAPOR PRESSURE:</b>	No data	<b>MOLECULAR WEIGHT:</b>	No data
<b>VOC WITH WATER (LBS/GAL):</b>	No data	<b>WITHOUT WATER (LBS/GAL):</b>	No data

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**SECTION 10: STABILITY AND REACTIVITY**


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THERMAL STABILITY: STABLE X UNSTABLE

CONDITIONS TO AVOID (STABILITY): N/A

INCOMPATIBILITY (MATERIAL TO AVOID): N/A

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: N/A

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

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**SECTION 11: TOXICOLOGICAL INFORMATION**

TOXICOLOGICAL INFORMATION: No information available.

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**SECTION 12: ECOLOGICAL INFORMATION**

ECOLOGICAL INFORMATION: No information available.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD: This product, as supplied, is not regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. Comply with state and local regulations for disposal.

RCRA HAZARD CLASS: None.

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**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 RQ: 10 lbs

### SARA

**311 / 312 HAZARD CATEGORIES:** N/A

**313 REPORTABLE INGREDIENTS:** 75-21-8, Ethylene Oxide, 0.1%

**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
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

## SECTION 16: OTHER INFORMATION

**ADDITIONAL COMMENTS:** N/A

**DATE OF PREVIOUS MSDS:** March 2011

**CHANGES SINCE PREVIOUS MSDS:** 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

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