



**GAF**  
**Safety Data Sheet**  
**SDS # 2169**  
**SDS Date: October 2013**

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**SECTION 1: PRODUCT AND COMPANY INFORMATION**

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**PRODUCT NAME:** OlyBond Part B (Amber/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

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**SECTION 2: HAZARD IDENTIFICATION**

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**NFPA and HMIS RATINGS:**

NFPA Hazard Rating		HMIS Hazard Rating	
Health	2	Health	2
Flammable	0	Flammable	0
Reactive	0	Reactive	0
Special Hazards	-	Personal Protection	X

**GHS LABEL ELEMENTS:**

**GHS CLASSIFICATION:** Eye Irritant - Category 2A  
Eye Damage - Category 1  
Skin Irritant - Category 3  
Skin Sensitizer - Category 1  
Respiratory Sensitizer - Category 1  
Target Organ (SE) - Category 2  
Target Organ (RE) - Category 2  
Carcinogen - Category 2  
Mutagenicity - Category 2  
Acute Toxicity - Category 4  
Hazardous to the Aquatic Environment (chronic) - Category 2

## GHS PICTOGRAMS:



**SIGNAL WORD:** Danger

**HAZARD  
STATEMENTS:**

May cause damage to organs through prolonged or repeated exposure  
May cause skin irritation  
Causes serious eye irritation or damage  
May cause an allergic skin reaction  
May cause respiratory irritation  
May cause allergy or asthma symptoms or breathing difficulties if inhaled  
May cause drowsiness or dizziness  
May cause an allergic skin reaction  
Suspected of causing cancer  
Harmful if swallowed  
Toxic to aquatic life with long lasting effects

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**ADDITIONAL HAZARD IDENTIFICATION INFORMATION:**

**PRIMARY ROUTE OF EXPOSURE:** Inhalation, Skin contact

**SIGNS & SYMPTOMS OF EXPOSURE**

**EYES:** May cause eye irritation.

**SKIN:** May cause skin irritation. A single, prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

**INGESTION:** Swallowing this material may be harmful.

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

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

**CHRONIC HEALTH HAZARDS:** Diethylene Glycol has caused toxicity to the fetus and some birth defects at the maternally toxic, high doses in animals.

**CARCINOGENICITY:** The International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP) have determined that there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite. In addition, IARC has determined that there is sufficient evidence for the carcinogenicity of quartz and cristobalite in experimental animals. Among individuals with silicosis, lung cancer occurs more frequently in those who smoke.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

			OCCUPATIONAL EXPOSURE LIMITS		
CHEMICAL NAME	CAS #	%	OSHA	ACGIH	OTHER
Aniline	62-53-3	<0.1	5 ppm	2 ppm	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
1, 4 – Dioxane	123-91-1	<0.1	100 ppm	20 ppm	.1 ppm – ceiling 30-min
Acetaldehyde	75-07-0	<0.1	200 ppm	25 ppm – ceiling	NE

NE = Not Established

**SECTION 4: FIRST AID MEASURES****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

**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:** 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.

**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. Product produces slippery conditions.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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APPEARANCE & ODOR:	Amber or Red liquid with a slight sweet odor.		
FLASH POINT:	375.1° 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

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**SECTION 10: STABILITY AND REACTIVITY**

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THERMAL STABILITY: STABLE ☒ 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**

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TOXICOLOGICAL INFORMATION: No information available.

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**SECTION 12: ECOLOGICAL INFORMATION**

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ECOLOGICAL INFORMATION: No information available.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**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:** 1, 4 – Dioxane 123-91-1 RCRA Code: U108  
Acetaldehyde 75-07-0 RCRA Code: U001  
Ethylene Oxide 75-21-8 RCRA Code: U115

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**SECTION 14: TRANSPORTATION INFORMATION**

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**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

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**SECTION 15: REGULATORY INFORMATION**

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**U.S. FEDERAL REGULATIONS**

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

**CERCLA:** 1, 4 – Dioxane 123-91-1  
Acetaldehyde 75-07-0

**SARA**

**311 / 312 HAZARD CATEGORIES:** Acute and Chronic Health Hazard

**313 REPORTABLE INGREDIENTS:** 1, 4 – Dioxane 123-91-1 100 lb  
Acetaldehyde 75-07-0 1000lb

**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, Aniline, 1, 4 – Dioxane, Acetaldehyde.  
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
Aniline	62-53-3	Yes	Yes	Yes	Yes	No	Yes
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
1, 4 – Dioxane	123-91-1	Yes	Yes	Yes	Yes	Yes	Yes
Acetaldehyde	75-07-0	Yes	Yes	Yes	Yes	Yes	Yes

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**SECTION 16: OTHER INFORMATION**

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**ADDITIONAL COMMENTS:** N/A

**DATE OF PREVIOUS SDS:** March 2011

**CHANGES SINCE PREVIOUS SDS:** GHS formatting changes

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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.