



SAFETY DATA SHEET

Rev. 1, 10/25/2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: OlyBond Part 2

Supplier: GAF
1 Campus Drive
Parsippany, NJ 07954
USA
Phone: 1-800-766-3411

24-hour Emergency Response Number:
Chemtrec: 800-424-9300

Product Use(s): One component of a two-component polyurethane system

2. HAZARDS IDENTIFICATION

Classifications: Eye Irritation: Hazard Category 2B
Specific Target Organ Toxicity, Repeated Exposure: Hazard Category 2

Symbols: Health Hazard
Exclamation Point



Signal Word: Warning

Hazard May cause eye irritation.

Statements: May cause damage to the kidneys and/or gastrointestinal system through prolonged or repeated exposure.

Precautionary Statements: Do not breathe mist, spray, or vapors.
Wash hands and forearms thoroughly after handling.
Get medical advice/attention if you feel unwell.

IF IN EYES: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Dispose of contents/container in accordance with applicable regulations.

EMERGENCY OVERVIEW

Eye contact with this product may cause irritation. Chronic ingestion may damage the kidneys and/or gastrointestinal system. There are no known serious health effects from inhalation or skin contact. See Section #7 for recommendations on proper handling and work practices, and Section #8 for recommendations on personal protective equipment.

This product is formulated to be mixed with another component (OlyBond 500 Spot Shot, Part 1) that, if handled improperly, may cause potentially serious health effects such as respiratory irritation, asthma-like symptoms, and/or respiratory sensitization. Do not handle or mix the two components together until you have read and understood that information in the *Safety Data Sheets* for both components.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percentage</u>	<u>Impurities</u>
Diethylene Glycol	111-46-6	<10	None known
Dipropylene Glycol	25265-71-8	<10	None known

4. FIRST AID MEASURES

Eyes:	Hold eyes open and flush with lukewarm water for at least 15 minutes. Seek immediate medical assistance.
Skin:	Remove contaminated clothing. Wash affected areas with soap and water for at least five minutes. If irritation occurs or persists, seek medical attention. Launder or dry-clean clothing before reuse.
Ingestion:	DO NOT induce vomiting. If the subject is conscious, wash mouth and give 2 or more cups of milk or water. Seek immediate medical assistance. Do not attempt to give anything by mouth to an unconscious or convulsive person.
Inhalation:	If signs and symptoms of respiratory toxicity are observed, remove subject from area and seek immediate medical attention. Keep the subject warm and at rest. If necessary, administer oxygen or perform artificial respiration if necessary and qualified personnel are available to do so.
Guidance for Physician or Poison Control Center:	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.

5. FIREFIGHTING MEASURES

Extinguishing Media:	Water spray, carbon dioxide, dry chemical or chemical foam. DO NOT use water jet.
Fire and Explosion Hazards:	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.
Firefighting Instructions:	If fighting a fire in which this product is present, wear a self-contained breathing apparatus with full-facepiece operated in pressure-demand or other positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Methods and Materials:	Absorb spilled material with a sorbent such as sawdust, vermiculite, or calcium silicate hydrate. When absorbed, transfer to an impervious container.
Personal Precautions:	Avoid contact with skin, eyes, and mucous membranes. Wear appropriate personal protective equipment (see Section #8) during cleanup and decontamination.
Environmental Precautions:	Prevent spills from entering sewers or contaminating soil.

7. HANDING AND STORAGE

Handling Precautions: 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.

Work and Hygiene Practices: To prevent ingestion or contact following use of the product, wash hands and face before eating, drinking, applying cosmetics, or using tobacco. Remove contaminated clothing and protective equipment before entering eating/drinking areas.

Storage 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.).

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingredients	<u>Ingredient</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Exposure Limits:	Diethylene Glycol	None	None
	Dipropylene Glycol	None	None

Ingredients	<u>Ingredient</u>	<u>Biological Limit(s)</u>
Biological Limits:	Diethylene Glycol	No ACGIH BEIs or other biological limits
	Dipropylene Glycol	No ACGIH BEIs or other biological limits

Engineering Controls: Use appropriate ventilation (dilution or local exhaust) whenever this product is used in conjunction with OlyBond 500 Spot Shot Part 1 in conditions where natural ventilation is restricted.

Eye/Face 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.

Respiratory Protection: If an exposure level to a component exceeds an applicable standard, use a NIOSH-approved respirator of a class and configuration effective for protection from the component(s) generated. Consult OSHA regulations (29CFR1910.134) and/or American National Standard Z88.2 (ANSI, New York, NY 10036, USA) for guidance.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: red viscous liquid
- Odor: mildly sweet
- Odor threshold: not determined
- pH: not determined
- Melting point: not determined
- Freezing point: not determined
- Boiling point: not determined

9. PHYSICAL AND CHEMICAL PROPERTIES (continued)

Boiling range: not determined
Flash Point: approx. 375°F./191°C.
Autoignition Point: not determined
Flammability Class: IIIB
Lower Explosive Limit: not determined
Upper Explosive Limit: not determined
Vapor pressure: not determined
Vapor density: not determined
Evaporation Rate: not determined
VOCs (per EPA Method 24): 11.00 grams/liter
Relative density (H₂O): approx. 1.02
Solubility (H₂O): partial
Oil-water partition coefficient: not determined
Decomposition temperature: not determined
Viscosity: 390-530 cps

10. STABILITY AND REACTIVITY

Stability: Stable
Reactivity: Polymerizes with isocyanate-containing substances
Hazardous Polymerization: Will not occur
Risk of Dangerous Reactions: None reasonably foreseeable
Incompatible Materials: Oxidizing agents
Potential Decomposition Byproducts: Carbon monoxide, carbon dioxide, smoke, and irritant decomposition byproducts

11. TOXICOLOGICAL INFORMATION

<u>Ingredients Toxicology Data</u>	<u>LD₅₀ Oral</u>	<u>LD₅₀ Dermal</u>	<u>LC₅₀</u>
Diethylene Glycol	14,850 mg/kg (rat)	11,890 mg/kg (hamster)	No data available
Dipropylene Glycol	12,565 mg/kg (rat)	>20,000 mg/kg (rabbit)	No data available

Primary Route(s) of Entry: Inhalation; ingestion
Eye Hazards: This product may cause mild to moderate eye irritation.
Skin Hazards: This product may cause mild skin irritation. Irritation may be more pronounced on abraded skin.
Ingestion Hazards: The product is nontoxic by ingestion, but ingestion may cause nausea, vomiting, and/or gastrointestinal irritation.
Inhalation Hazards: Inhalation of toxicologically-significant quantities of ingredients is unlikely when the product is used in a well-ventilated area and in accordance with instructions.
Symptoms Related to Overexposure: Inhalation overexposure may cause respiratory irritation.
Delayed Effects from Long Term Overexposure: Long-term chronic ingestion may damage the kidneys and the gastrointestinal system.

11. TOXICOLOGICAL INFORMATION (continued)

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: LD₅₀ (oral): >10,000 mg/kg
LD₅₀ (dermal): >10,000 mg/kg
LC₅₀: no data available
Interactive effects of components: no data available

12. ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data are available for the product or its components.
Ozone Depletion Potential: This product neither contains nor is manufactured with any ingredients known to deplete the ozone layer.

13. DISPOSAL CONSIDERATIONS

Do not discharge waste product into sanitary or storm sewers or allow it to contaminate soil. Empty containers should be decontaminated prior to disposal. Consult applicable Federal, State/Provincial, and local regulations.

14. TRANSPORTATION INFORMATION

Transport of the product is not regulated by USDOT, TDG (Canada), IATA, or IMO.

15. REGULATORY INFORMATION

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
EPCRA Section 313 Notification: This product contains no ingredients in concentrations ≥1% (≥0.1% for carcinogens) regulated under Section 313 of the *Emergency Planning and Community Right-To-Know Act* of 1986 or 40 CFR 372.

Canadian Regulatory Information

This product has been classified in accordance with Canada's *Hazardous Products Regulations* (SOR/DORS/2015-15).

16. OTHER INFORMATION

Hazardous Materials Information System (HMIS III) Ratings (Legend):	<u>Health</u> 1 (slight hazard)	<u>Flammability</u> 1 (slight hazard)	<u>Physical Hazard</u> 0 (minimal hazard)	<u>PPE</u> See Note
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16. OTHER INFORMATION (continued)

Note regarding PPE: GAF recommends use of protective eyewear and skin protection (Personal Protection Index "B") as standard PPE for the anticipated conditions of use of this product. However, HMIS recommends that its ratings be used only in conjunction with a fully implemented HMIS program, and that specific PPE codes should be created by the user, who is familiar with the actual conditions under which the product is used. We cannot anticipate every condition of the product's use, and it is the user's responsibility to evaluate the hazards pertinent to its specific operations, and to determine the specific PPE required.

National Fire Protection Association (NFPA) Ratings:	<u>Health</u>	<u>Flammability</u>	<u>Reactivity</u>
	1	1	0

Revision Information: Date of Prior SDS: not applicable

DISCLAIMER

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.