

## Safety Data Sheet

Material Name: OlyBond 500 BA Part B

Product #: 310477

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### Section 1 - PRODUCT AND COMPANY IDENTIFICATION

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**Material Name:** OlyBond 500 BA Part B

**Product Use:** Two-component polyurethane system

**Restrictions on Use:** For industrial use only

**Manufacturer Information**

Carlisle SynTec Systems  
1285 Ritner Highway  
Carlisle, PA 17013  
USA  
Phone: +1-800-479-6832  
Emergency Phone #: +1-800-424-9300 (CHEMTREC)

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### Section 2 - HAZARDS IDENTIFICATION

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**Classification in accordance with paragraph (d) of 29 CFR 1910.1200**

Eye Irritation – Category 2B

Specific Target Organ Toxicity, Repeated Exposure – Category 2

**GHS Label Elements**

**Symbol(s)**



**Signal Word**

Warning

**Hazard Statement**

May cause eye irritation.

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. The acute toxicities of <25% of the product's ingredients are unknown.

**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



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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 Bag in Box Green, 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.

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### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| CAS        | Component Name     | Percent |
|------------|--------------------|---------|
| 111-46-6   | Diethylene Glycol  | <10     |
| 25265-71-8 | Dipropylene Glycol | <10     |

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### Section 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.

#### Note to physician

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.

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### Section 5 – FIRE FIGHTING MEASURES

#### Extinguishing Media

Water spray, carbon dioxide, dry chemical or chemical foam. DO NOT use water jet.

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### **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.

### **Advice for firefighters**

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.

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## **Section 6 - ACCIDENTAL RELEASE MEASURES**

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### **Personal precautions, protective equipment and emergency procedures**

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.

### **Methods and material for containment and cleaning up**

Absorb spilled material with a sorbent such as sawdust, vermiculite, or calcium silicate hydrate. When absorbed, transfer to an impervious container.

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## **Section 7 - HANDLING AND STORAGE**

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### **Precautions for safe handling**

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**

Keep containers tightly sealed during storage. Store in a dry, well-ventilated area away from sources of ignition and incompatible materials (see Section #10). Recommended temperature range for storage is 55-85°F. (12.8-29.4°C.).

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## **Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

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### **Engineering controls**

Use appropriate ventilation (dilution or local exhaust) whenever this product is used in conjunction with OlyBond 500 BA Bag in a Box Part A 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.

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**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.

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**Section 9 - PHYSICAL AND CHEMICAL PROPERTIES**

|                              |                      |   |                     |
|------------------------------|----------------------|---|---------------------|
| <b>Appearance</b>            | Green viscous liquid | <b>Physical State</b>                         | Liquid              |
| <b>Odor</b>                  | Mildly sweet         | <b>Color</b>                                  | Green               |
| <b>Odor Threshold</b>        | Not determined       | <b>pH</b>                                     | Not applicable      |
| <b>Melting Point</b>         | Not determined       | <b>Boiling Point</b>                          | Not determined      |
| <b>Freezing point</b>        | Not determined       | <b>Evaporation Rate</b>                       | Not determined      |
| <b>Boiling Point Range</b>   | Not determined       | <b>Flammability (solid, gas)</b>              | Flammable           |
| <b>Autoignition</b>          | Not determined       | <b>Flash Point</b>                            | approx. 375°F/191°C |
| <b>Lower Explosive Limit</b> | Not determined       | <b>Decomposition</b>                          | Not determined      |
| <b>Upper Explosive Limit</b> | Not determined       | <b>Vapor Pressure</b>                         | Not determined      |
| <b>Vapor Density (air=1)</b> | Not determined       | <b>Specific Gravity (water=1)</b>             | Not determined      |
| <b>Water Solubility</b>      | Partial              | <b>Partition coefficient: n-octanol/water</b> | Not determined      |
| <b>Viscosity</b>             | 390-530 cps          | <b>Solubility (Other)</b>                     | Not determined      |
| <b>Density</b>               | approx. 1.02         |   |                     |

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**Section 10 - STABILITY AND REACTIVITY**

**Stability**

Stable

**Reactivity**

Polymerizes with isocyanate-containing substances.

**Hazardous Polymerization**

Will not occur.

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### **Risk of Dangerous Reactions**

None reasonably foreseeable.

### **Incompatible Materials**

Oxidizing agents.

### **Potential decomposition byproducts**

Carbon monoxide, carbon dioxide, smoke, and irritant decomposition byproducts.

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## Section 11 - TOXICOLOGICAL INFORMATION

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### **Component Analysis - LD50/LC50**

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Diethylene Glycol (111-46-6)

Oral LD50 Rat 14,850 mg/kg

Dermal LD50 Hamster 11,890 mg/kg

Dipropylene Glycol (25265-71-8)

Oral LD50 Rat 12,565 mg/kg

Dermal LD50 Rabbit >20,000 mg/kg

### **Primary route(s) of entry**

Inhalation; ingestion

### **Eye**

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.

### **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.

### **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**

LD50 (oral): >10,000 mg/kg

LD50 (dermal): >10,000 mg/kg

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LC50 (inhalation) no data available  
Interactive effects of components: no data available.

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### Section 12 - ECOLOGICAL INFORMATION

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**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.

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### Section 13 - DISPOSAL CONSIDERATIONS

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**Waste disposal of substance**

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.

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### Section 14 - TRANSPORT INFORMATION

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**US DOT information**

Not classified as a dangerous good under transport regulations

**Sea transport IMDG**

Not classified as a dangerous good under transport regulations

**Air transportation IATA/ICAO**

Not classified as a dangerous good under transport regulations

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### Section 15 - REGULATORY INFORMATION

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**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).

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### Section 16 - OTHER INFORMATION

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#### HMIS Rating

Health: 1 Fire: 1 Physical Hazard: 1

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

#### NFPA Ratings

Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

#### Summary of Changes

New SDS: April 14, 2015

#### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

#### Other Information

##### Disclaimer:

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