SAFETY DATA SHEET

Rev. 7, 9 March 2026

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	OlyBond500 Canisters, Part 1	
Supplier:	OMG Building Products LLC 153 Bowles Road Agawam, MA 01001 USA Phone: (01) 413-789-0252 Fax: (01) 413-786-1453 www.OMGRoofing.com	24-hour Emergency Response Number: Chemtrec: 800-424-9300
Product Use(s):	One component of a two-component polyurethane system	

2. HAZARDS IDENTIFICATION

Classifications:

Acute Toxicity, Inhalation: Hazard Category 4
Respiratory Sensitization: Hazard Category 1
Skin Sensitization: Hazard Category 1
Skin Irritation: Hazard Category 2
Eye Irritation: Hazard Category 2B
Reproductive Toxicity Category 2
Specific Target Organ Toxicity, Single Exposure: Hazard Category 3
Specific Target Organ Toxicity, Repeated Exposure: Hazard Category 2
Chemicals Under Pressure Category 3

Symbols:

Health Hazard
Exclamation Point
Gas Cylinder

Signal Word: Danger

Hazard Statements:

May be harmful if inhaled.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause respiratory irritation.
May cause an allergic skin reaction.
Causes eye and skin irritation.
Suspected of damaging fertility or the unborn child
May cause damage to the respiratory system and/or skin through prolonged or repeated exposure.
Chemical under pressure: May explode if heated.

Precautionary Statements:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not breathe mist, spray, or vapors.
Use only outdoors or in a well-ventilated area.
In case of inadequate ventilation wear proper respiratory protection.
Wear protective gloves and eye protection.
Wash hands and forearms thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms or if you feel unwell, call a doctor or Poison Control Center.

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs, get medical advice/attention.

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

If exposed or concerned: get medical advice.
Stop leak if safe to do so.

Store locked up. Protect from sunlight. Store in a well-ventilated place.
Keep container tightly closed.
Dispose of contents/container in accordance with applicable regulations.

Other Hazards: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Percentage %	Classification
Diphenylmethane Diisocyanate Isomers and homologues	9016-87-9	75 – 80	Acute Tox 4 (Inh) Skin Irrit 2 Eye Irrit 2 Resp Sens 1 Skin Sens 1 STOT SE 3 (resp irrit) STOT RE 2
4,4'-Methylene Bisphenyl Isocyanate	101-68-8	22.5 – 40 (part of 9016-87-9)	Acute Tox 4 (Inh.) Skin Irrit 2 Eye Irrit 2 Resp Sens 1 Skin Sens 1 STOT SE 3 (Resp Irrit) STOT RE 2
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	6846-50-0	< 10	Repr 2
Trans-1,3,3,3-Tetrafluoroprop-1-ene	29118-24-9	2 - 3	Gases under pressure

4. FIRST AID MEASURES

Eyes: Hold eyes open and flush with lukewarm water for several minutes. Seek medical assistance if irritation persists.

Skin:	Remove contaminated clothing. Wash affected areas with soap and water for at least five minutes. If irritation persists or a rash occurs, seek medical attention. Launder or dry-clean clothing before reuse.
Ingestion:	DO NOT induce vomiting. If the subject is conscious, wash mouth with 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.
Most important symptoms and effects, both acute and delayed:	Inhalation exposure can irritate the respiratory tract and induce respiratory sensitization. Eye contact can cause moderate to severe irritation. Skin contact can cause moderate irritation and may elicit an allergic response among susceptible individuals.
Indication of immediate medical attention and special treatment, if necessary:	Immediate medical attention is required if difficulty breathing occurs. Extended medical treatment may be necessary for individuals exhibiting respiratory sensitization and/or skin disorders.

5. FIREFIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media:	Water spray, carbon dioxide, dry chemical or chemical foam. DO NOT use water jet.
Specific Hazards arising from the Chemical:	The container may burst if exposed to elevated temperatures, spilling the contents. Material reacts slowly with water, releasing carbon dioxide which can cause pressure buildup and rupture of closed containers. If present in a fire or explosion, potential decomposition byproducts include carbon monoxide, oxides of nitrogen, isocyanates, hydrogen cyanide, hydrogen fluoride, and carbonyl halides.
Special Protective Equipment and Precautions for Fire-fighters:	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

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. Restrict unauthorized personnel during cleanup and disposal operations.
Environmental Precautions:	Prevent spills from entering sewers or contaminating soil.
Methods and Materials for	Absorb spilled material with a sorbent such as sawdust or calcium silicate hydrate. When absorbed, transfer to an impervious container. Neutralize with solution of 8-10% sodium carbonate and 2% liquid

Containment and Cleaning up:	detergent in water (10:1 ratio of solution to product). Do not seal container, as CO_2 will be released. Neutralize in a well-ventilated area for at least 48 hours before sealing containers for disposal.

7. HANDING AND STORAGE

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. 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.
Conditions for Safe Storage, including any incompatibilities:	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).

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits

Ingredient	OSHA PEL	ACGIH TLV	Other
4,4'-Methylene Bisphenyl Isocyanate	0.02 ppm Ceiling	0.005 ppm	
Diphenylmethane Diisocyanate, Isomers and Homologues	None	None	
2,2,4-trimethyl-1, 3-pentanediol diisobutyrate	None	None	None
Trans-1,3,3,3-Tetrafluoroprop-1-ene	None	None	800 ppm (AIHA & OARs WEELs)

Ingredients Biological Limits:

Ingredient	Biological Limit(s)
Diphenylmethane Diisocyanate, Isomers and Homologues	No ACGIH BEIs or other biological limits
4,4'-Methylene Bisphenyl Isocyanate	No ACGIH BEIs or other biological limits
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	No ACGIH BEIs or other biological limits
Trans-1,3,3,3-Tetrafluoroprop-1-ene	No ACGIH BEIs or other biological limits

Appropriate Engineering Controls:	Use appropriate ventilation (dilution or local exhaust) whenever natural ventilation is restricted or inadequate to maintain concentrations of all components within their applicable standards.

Personal Protective Equipment:

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.
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 isocyanates include butyl rubber, nitrile rubber, and polychloroprene.
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. Where exposures exceed the OSHA *Permissible Exposure Limit* (*PEL*), an airline respirator or self-contained breathing apparatus (SCBA) is recommended. 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

Physical state: Liquid
Color: Brown
Odor: Aromatic
Odor threshold: Not determined
pH: Not applicable
Melting point: Not determined.
Freezing point: Not determined
Boiling point: ≥ 200°F / 93°C
Boiling range: Not determined
Flash Point: Approximately 484°F / 220°C
Autoignition Point: Not determined
Flammability: Not applicable

Lower Explosive Limit: Not determined
Upper Explosive Limit: Not determined
Vapor pressure: Not determined
Relative vapor density: Not determined
Evaporation Rate: Not determined
VOCs: <25 g/L (when combined)
Relative density (H_2O): Approximately 1.2
Solubility (H_2O): Reactive
Oil-water partition coefficient: Not determined
Decomposition temperature: Not determined
Kinematic Viscosity: 300 cps
Particle Characteristics: Not applicable

10. STABILITY AND REACTIVITY

Reactivity:	May react with water and incompatible materials.
Chemical Stability:	Stable.
Possibility of Hazardous Reactions:	Polymerization may occur at temperatures >392°F / 200°C
Conditions to Avoid:	High temperatures, sources of heat, open flames.
Incompatible Materials:	Water, alcohols, acids, alkalis, and amines.
Potential Decomposition Byproducts:	Carbon monoxide, carbon dioxide, nitrogen oxides, isocyanates, hydrogen cyanide, hydrogen fluoride, and carbonyl halides.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity Estimates:	LD_{50} (oral): >10,000 mg/kg LD_{50} (dermal): >9,400 mg/kg LC_{50}: 2.24 mg/L/1 hr. as aerosol

Ingredients Toxicology Data	LD_{50} Oral	LD_{50} Dermal	LC_{50}
Diphenylmethane Diisocyanate, Isomers and Homologues	>10,000 mg/kg (rat)	>9400 mg/kg (rabbit)	0.49 mg/L/4h (rat)
4,4'-Methylene Bisphenyl Isocyanate	>10,000 mg/kg (rat)	>9400 mg/kg (rabbit)	2.24 mg/l. for 1 hour (rat)
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	>2000 mg/kg (rat)	>2,000 mg/kg (rabbit)	>0.12 mg/L/6h (rat)
Trans-1,3,3,3-Tetrafluoroprop-1-ene	No data available	No data available	>207000 ppm/4h (rat)

Eye Hazards:	This product may cause eye irritation.
Skin Hazards:	This product may cause mild skin irritation and has the potential to cause skin sensitization among susceptible individuals.
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.
Chronic effects:	Long-term inhalation overexposure to this product may result in respiratory sensitization, which may be irreversible.
Carcinogenicity:	A single inhalation study exposing rats to aerosolized polymeric 4,4'-Methylene Bisphenyl Isocyanate identified a single malignant pulmonary tumor among 60 animals exposed at the highest exposure level. Observations of pulmonary fibrosis and other pathological anomalies in the test animals precluded definitive determination as to the cause(s) of the tumor. Epidemiological studies of humans occupationally exposed to the isocyanates in this product have found no strong association or consistent pattern with respect to carcinogenicity.
Germ Cell Mutagenicity:	No ingredients have been determined to be germ cell mutagens.
Reproductive Toxicity:	2,2,4-trimethyl-1,3-pentanediol diisobutyrate is suspected to be damaging to fertility or to the unborn child.
Specific Target Organ Toxicity:	May cause damage to the respiratory tract through prolonged or repeated inhalation.
Aspiration Toxicity:	Not classified as an aspiration hazard based on ingredients.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

4,4'-Methylene-diphenyl Diisocyanate	Aquatic Toxicity to Fish: LC_{50} >1,000 mg/l. for 96 h. (zebra fish) Aquatic Toxicity to Invertebrates: EC_{50} >1,000 mg/l. for 24 h. (daphnia) Aquatic Toxicity to Plants: EC_{50} >1,640 mg/l. for 72 h. (algae) Aquatic Toxicity to Microorganisms: EC_{50} >100 mg/l. for 3 h. (bacteria) Toxicity to Terrestrial Organisms: EC0 = 1,000 mg/kg for 14 d. (worms) No data available for Persistence and Degradability or Bioaccumulation Potential.
Diphenylmethane Diisocyanate, Isomers and homologues	No data available for Aquatic Toxicity to Fish, Invertebrates, Plants, or Microorganisms, Toxicity to Terrestrial Organisms, Persistence and Degradability or Bioaccumulation Potential.
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	Aquatic Toxicity to Fish: LC_{50} = >6 mg/l. for 96 h. (limit of solubility) Aquatic Toxicity to Invertebrates: EC_{50} = >1.46 mg/l. for 48 h. (daphnia) (limit of solubility) Chronic Toxicity to Invertebrates: NOEC 0.7 mg/L/21d (daphnia) Readily biodegradable, not bioaccumulative
Trans-1,3,3,3-Tetrafluoroprop-1-ene	Not Aquatically toxic to Fish, Invertebrates, Plants, or Microorganisms. No data available for Toxicity to Terrestrial Organisms, Persistence and Degradability or Bioaccumulation Potential.
Ozone Depletion Potential:	This product neither contains nor is manufactured with any ingredients known to deplete the ozone layer.
Mobility in soil:	No data available
Other adverse effects:	No data available

13. DISPOSAL CONSIDERATIONS

Do not discharge waste product into sanitary or storm sewers or allow it to contaminate soil. Consult applicable Federal, State/Provincial, and local regulations.

14. TRANSPORTATION INFORMATION

Proper Shipping Name: Chemical Under Pressure, n.o.s. (trans-1,3,3,3-Tetrafluoroprop-1-ene)

Identification Number : UN3500

Hazard Class: 2.2

Packing Group: Not applicable

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA Information:	All ingredients of this product are listed in the TSCA Registry.
SARA Hazard Classes:	Refer to Section 2 for the OSHA Hazard Classification
EPCRA Section 313 Notification:	This product contains these ingredients in concentrations ≥1% (for carcinogens ≥0.1%) regulated under Section 313 of the *Emergency Planning and Community Right-To-Know Act* of 1986 or 40 CFR 372: 1. 4,4'-Methylene Bisphenyl Isocyanate (CASRN 101-68-8) 2. Polymeric Isocyanantes (CASRN 9016-87-9)
CERCLA Information:	Per the requirements of the *Comprehensive Environmental Response, Compensation, and Liability Act* (CERCLA), 4,4'-Methylene Bisphenyl Isocyanate (CASRN 101-68-8) has a *Reportable Quantity* of 5,000 lbs. Any spill or release above this *RQ* must be reported to the National Response Center (800-424-8802).
California Proposition 65:	This product does not contain any chemicals known to the state of California to cause cancer and/or reproductive harm.

Canadian Regulatory Information

All ingredients in this product are listed in the Domestic Substances List (DSL).

This product has been classified in accordance with Canada's *Hazardous Products Regulations.*

16. OTHER INFORMATION

	Health	Flammability	Physical Hazard	PPE
Hazardous Materials Information System (HMIS III) Ratings (Legend):	2* (moderate hazard, "*" indicating potential for chronic effects)	1 (slight hazard)	1 (slight hazard)	See note

Note regarding PPE:	OMG Building Products LLC 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:

Health	Flammability	Reactivity
2	2	1

Abbreviations:

Acute Tox 4 = Acute Toxicity Category 4
Eye Irrit 2B = Eye Irritation Category 2B
Skin Irrit 2 = Skin Irritation Category 2
Skin Sens 1 = Skin Sensitization Category 1
Resp Sens 1 = Respiratory Sensitization Category 1
STOT SE 3 = Specific Target Organ Toxicity – Single Exposure Category 3
STOT RE 2 = Specific Target Organ Toxicity – Repeated Exposure Category 2
Repr 2 = Reproductive toxicity Category 2

Publication Date: 9 March 2026

Revision Information:

Date of Prior SDS: 20 July 2024

Section(s) Revised: All sections. Updated SDS to align with HazCom 2024.

DISCLAIMER

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SAFETY DATA SHEET

Rev. 7, 9 March 2026

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: OlyBond500 Canisters Part 2

Supplier: OMG Building Products LLC
153 Bowles Road
Agawam, MA 01001 USA
Phone: (01) 413-789-0252
Fax: (01) 413-786-1453
www.OMGRoofing.com

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

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

2. HAZARDS IDENTIFICATION

Classifications:
Reproductive Toxicity Category 1B
Skin Sensitization Category 1
Chemicals Under Pressure Category 3

Symbols:
Exclamation Point
Gas Cylinder
Chronic Health Hazard

Signal Word: Warning

Hazard Statements:
Harmful if swallowed.
May cause an allergic skin reaction.
May damage fertility or the unborn child.
Chemicals under pressure: may explode if heated.

Precautionary Statements:
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Avoid breathing spray.
Contaminated work clothing must not be allowed out of the workplace.
Wash hands and forearms thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves.
If exposed or concerned: Get medical advice.
IF SWALLOWED: Call a Poison Center or doctor if you feel unwell. Rinse mouth.
IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice. Take off contaminated clothing and wash it before reuse.
Stop leak if safe to do so.
Protect from sunlight. Store in a well-ventilated place. Store locked up.
Dispose of contents/container in accordance with applicable regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Percentage	Classification
Trans-1,3,3,3-Tetrafluoroprop-1-ene	29118-24-9	10 - 15	Gases under pressure
Dibutyltin dilaylmercaptide	1185-81-5	< 0.5	Repr. 1B Acute Tox. 4 (Dermal) STOT RE 1 Skin Irrit. 2 Skin Sens. 1

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 or rash 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 with 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.
Most important symptoms and effects, both acute and delayed:	Inhalation exposure can irritate the respiratory tract and induce respiratory sensitization. Eye contact can cause moderate to severe irritation. Skin contact can cause moderate irritation and may elicit an allergic response among susceptible individuals.
Indication of immediate medical attention and special treatment, if necessary:	Immediate medical attention is required if difficulty breathing occurs. Extended medical treatment may be necessary for individuals exhibiting respiratory sensitization and/or skin disorders.

5. FIREFIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media:	Water spray, carbon dioxide, dry chemical or chemical foam. DO NOT use water jet.
Specific Hazards arising from the Chemical:	The container may burst if exposed to elevated temperatures, spilling the contents. Material reacts slowly with water, releasing carbon dioxide which can cause pressure buildup and rupture of closed containers. If present in a fire or explosion, potential decomposition

	byproducts include carbon monoxide, oxides of nitrogen, isocyanates, hydrogen cyanide, hydrogen fluoride, and carbonyl halides.
Special Protective Equipment and Precautions for Fire-fighters:	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

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. Restrict unauthorized personnel during cleanup and disposal operations.
Environmental Precautions:	Prevent spills from entering sewers or contaminating soil.
Methods and Materials for Containment and Cleaning up:	Absorb spilled material with a sorbent such as sawdust or calcium silicate hydrate. When absorbed, transfer to an impervious container. Neutralize with solution of 8-10% sodium carbonate and 2% liquid detergent in water (10:1 ratio of solution to product). Do not seal container, as CO_2 will be released. Neutralize in a well-ventilated area for at least 48 hours before sealing containers for disposal.

7. HANDLING AND STORAGE

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. 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.
Conditions for Safe Storage, including any incompatibilities:	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.).

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits

Ingredient	OSHA PEL	ACGIH TLV	Other
Trans-1,3,3,3-Tetrafluoroprop-1-ene	None	None	800 ppm (AIHA & OARs WEELs)

Dibutyltin dilaylmercaptide	0.1 mtg/m^3 TWA (as Sn)	0.1 mg/m^3 TWA (as Sn) 0.2 mg/m^3 STEL (as Sn)	

	Ingredient	Biological Limit(s)
Ingredients Biological Limits:	Trans-1,3,3,3-Tetrafluoroprop-1-ene	No ACGIH BEIs or other biological limits
	Dibutyltin dilaylmercaptide	No ACGIH BEIs or other biological limits

Appropriate Engineering Controls: Use appropriate ventilation (dilution or local exhaust) whenever natural ventilation is restricted or inadequate to maintain concentrations of all components within their applicable standards.

Personal Protective Equipment:

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.

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

Physical state: Liquid (viscous)
Color: Red
Odor: Mildly sweet
Odor threshold: Not determined
pH: Not determined
Melting point: Not determined
Freezing point: Not determined
Boiling point: Not determined
Boiling range: Not applicable
Flash Point: >120ºC / 248 ºF (Liquid portion)
Autoignition Point: Not determined
Flammability: Not applicable

Lower Explosive Limit: Not determined
Upper Explosive Limit: Not determined
Vapor pressure: >200 psi
Relative vapor density: Not determined
Evaporation Rate: Not determined
VOCs: <25 grams/liter (when combined)
Relative density (H_2O): Approximately 1.03
Solubility (H_2O): Partial
Oil-water partition coefficient: Not determined
Decomposition temperature: Not determined
Kinematic Viscosity: Not determined
Particle Characteristics: Not applicable

10. STABILITY AND REACTIVITY

Reactivity:	Polymerizes with isocyanate-containing substances.
Chemical Stability:	Stable.
Possibility of Hazardous Reactions:	Polymerization may occur at temperatures >392°F / 200°C
Conditions to Avoid:	High temperatures, sources of heat, open flames.
Incompatible Materials:	Oxidizing agents.
Potential Decomposition Byproducts:	Carbon monoxide, carbon dioxide, hydrogen fluoride, carbonyl halides, smoke, and irritant decomposition byproducts.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity Estimates:	LD_{50} (oral): 1124 mg/kg LD_{50} (dermal): >10,000 mg/kg LC_{50}: no data available

Ingredients Toxicology Data	LD_{50} Oral	LD_{50} Dermal	LC_{50}
Trans-1,3,3,3-Tetrafluoroprop-1-ene	No data available	No data available	>207000 ppm/4h (rat)
Dibutyltin dilaylmercaptide	>2000 mg/kg	1000-2000 mg/kg	No data available

Eye Hazards:	This product may cause mild eye irritation.
Skin Hazards:	This product may cause mild skin irritation. Irritation may be more pronounced on abraded skin. May cause an allergic skin reaction with itching and hives.
Ingestion Hazards:	The product is nontoxic by ingestion, but ingestion may cause nausea, vomiting, and/or gastrointestinal irritation.
Chronic effects:	Long-term inhalation overexposure to this product may result in respiratory sensitization, which may be irreversible.
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:	Dibutyltin dilaylmercaptide may damage fertility or the unborn child.
Specific Target Organ Toxicity:	May cause damage to the respiratory tract through prolonged or repeated inhalation.
Aspiration Toxicity:	Not classified as an aspiration hazard based on ingredients.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Trans-1,3,3,3-Tetrafluoroprop-1-ene	Aquatic Toxicity to Fish: LC_{50} >117 mg/l. for 96 h. (carp) Aquatic Toxicity to Invertebrates: EC_{50} >160 mg/l. for 48 h. (daphnia) Aquatic Toxicity to Plants: EC_{50} >170 mg/l. for 72 h. (algae) No bioaccumulation is expected. No data available for Persistence and Biodegradability or Mobility in Soil.
Dibutyltin dilaylmercaptide	No data available for Aquatic Toxicity to Fish, Invertebrates, Plants, or Microorganisms, Toxicity to Terrestrial Animals, Toxicity to Terrestrial Plants, Persistence and Biodegradability, Bioaccumulation Potential, or Mobility in Soil.
Ozone Depletion Potential:	This product neither contains nor is manufactured with any ingredients known to deplete the ozone layer.
Other adverse effects:	No data available

13. DISPOSAL CONSIDERATIONS

Do not discharge waste product into sanitary or storm sewers or allow it to contaminate soil. Consult applicable Federal, State/Provincial, and local regulations.

14. TRANSPORTATION INFORMATION

Proper Shipping Name: Chemical Under Pressure, n.o.s. (trans-1,3,3,3-Tetrafluoroprop-1-ene)

Identification Number: UN3500

Hazard Class: 2.2

Packing Group: Not applicable

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA Information:	All ingredients of this product are listed in the TSCA Registry.
SARA Hazard Classes:	Refer to Section 2 for the OSHA Hazard Classification
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.
California Proposition 65:	This product contains acetaldehyde which is known to the State of California to cause cancer and ethylene glycol which is known to the State of California to cause birth defects or other reproductive harm.

Canadian Regulatory Information

All ingredients in this product are listed in the Domestic Substances List (DSL).

This product has been classified in accordance with Canada's *Hazardous Products Regulations.*

16. OTHER INFORMATION

Hazardous Materials Information System (HMIS III) Ratings (Legend):	Health 1* (slight hazard, "*" indicating potential for chronic effects)	Flammability 1 (slight hazard)	Physical Hazard 0 (minimal hazard)	PPE See Note

Note regarding PPE:

OMG Building Products LLC 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:	Health 1	Flammability 1	Reactivity 0

Abbreviations:

Acute Tox. 4 = Acute Toxicity Category 4
Eye Irrit. 2 = Eye Irritation Category 2
Skin Irrit. 2 = Skin Irritation Category 2
Skin Sens. 1 = Skin Sensitization Category 1
Resp Sens. 1 = Respiratory Sensitization Category 1
STOT SE 3 = Specific Target Organ Toxicity – Single Exposure Category 3
STOT RE 2 = Specific Target Organ Toxicity – Repeated Exposure Category 2
Repr. 1B = Reproductive Toxicity Category 1B

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Section(s) All sections. Updated SDS to align with HazCom 2024.

DISCLAIMER

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