

MATERIAL SAFETY DATA SHEET

PREMIER INDUSTRIAL SUPPLY, INC.

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Version: 1.1
Revision Date: March 14, 2011

XTRABOND 2500 CO-POLYMER SEALANT/ADHESIVE

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Brand Name: XtraBond 2500 Co-Polymer Sealant/Adhesive
Product Use: Sealant & Adhesive
Proper DOT Shipping: Caulking & Glaziers, NOI
DOT Hazard Classification: 3
Molecular Formula: Mixture

HMIS III Profile: Health: 2 Flammability: 3 Physical Hazard: 0

Note: HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

Company Contact Information

Premier Industrial Supply, Inc.
4282B Strausser St. NW
North Canton, OH 44720

Emergency Telephone Number

CHEMTREC: 800-424-9300 (24 hours)
Telephone: 866-512-4583

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Emergency overview

WARNING: FLAMMABLE LIQUID AND VAPOR.

CONTAINS MATERIAL WHICH CAN CAUSE CANCER.

MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

MAY BE HARMFUL IF SWALLOWED.

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

Keep container tightly closed.

Avoid all sources of ignition: heat, sparks, open flame.

Acute Effects

Eye: Direct contact may cause moderate irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin: May cause moderate irritation. Symptoms may include redness and burning of skin. Contains one or more components that is (are) considered moderately toxic after short term skin contact. The product has not been tested; this statement has been derived from the properties of the individual components.

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Inhalation: Irritates respiratory passages very slightly. Vapor overexposure may be harmful and cause drowsiness. Contains one or more components that is (are) considered moderately toxic after short term skin contact. The product has not been tested; this statement has been derived from the properties of the individual components.

Oral: Swallowing large amounts may cause drowsiness. Contains one or more components that is (are) considered slightly toxic after a single ingestion. The product has not been tested; this statement has been derived from the properties of the individual components.

Prolonged/Repeated Exposure Effects

Skin: Repeated or prolonged contact may cause defatting and drying of skin which may result in skin irritation and dermatitis. Overexposure by skin absorption may injure the following organ(s): Liver and Kidney.

Inhalation: Overexposure by inhalation may injure the following organ(s): Liver and Kidney.

Oral: Overexposure by ingestion may injure the following organ(s): Liver and Kidney. Contains one or more components that may cause damage to the central nervous system after repeated ingestion of high doses. The product has not been tested; this statement has been derived from the properties of the individual components.

Other Health Effects

This product contains a chemical(s) that has the following effect(s):
Carcinogenicity

See Section 11 for specific details.

Signs and Symptoms of Overexposure

Overexposure may cause CNS depression including headache, dizziness, nausea and loss of consciousness.

Medical Conditions Aggravated by Exposure

Eye or skin disease.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
1330-20-7	15 - 40%	Xylene
142-82-5	10 - 30%	Heptane
100-41-4	5 - 10%	Ethyl Benzene

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112945-52-5	1.0 - 5.0 %	Silica
1317-65-3	1.0 - 5.0 %	Limestone
13463-67-7	0.5 - 1.5 %	Titanium dioxide

The above components are hazardous as defined in 29 CFR 1910.1200.

4. FIRST AID MEASURES

Eye:	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 – 20 minutes while holding the eyelid(s) open. If contact lens is present, remove the lens. DO NOT delay irrigation. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately obtain medical attention.
Skin:	Remove contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Flush with lukewarm gently flowing water and soap for 15 minutes. DO NOT use any organic solvent. If irritation persists, repeat flushing. If irritation persists, obtain medical advice.
Inhalation:	Material is not likely to present an inhalation hazard at ambient conditions. If material is heated or vapor is generated, care should be taken to prevent inhalation. In case of exposure to vapor, move to fresh air.
Oral:	Never give anything by mouth if victim is rapidly losing consciousness or convulsing. DO NOT INDUCE VOMITING. Rinse mouth, then have victim drink 2 to 8 oz. (60 to 240 mL) of water. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Have victim rinse mouth with water again. Obtain medical attention.

Note to Physician: Treat according to person's condition and specifics of exposure.

5. FIRE FIGHTING MEASURES

Flash Point:	80F / 27C (Closed Cup)
Autoignition Temperature:	Not determined.
Flammability Limits in Air:	Lower Explosion Limit 1.0% (V). Upper Explosion Limit 6.7% (V).
Extinguishing Media:	Use dry chemical, foam, carbon dioxide or water spray. DO NOT use water jet. Water can be used to cool fire exposed containers.
Fire Fighting Measures:	Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool. Contaminated extinguishing water must be disposed of in accordance with official regulations.
Unusual Fire Hazards:	None.

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6. ACCIDENTAL RELEASE MEASURES

Containment/Clean up: Ventilate area. Sources of ignition should be kept well clear. Observe all personal protection equipment recommendations described in Sections 5 and 8. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

Note: See Section 8 for Personal Protective Equipment for Spills.

7. HANDLING AND STORAGE

Use with adequate ventilation to keep area below established exposure and explosive levels. Avoid aerosol formation. Avoid eye contact. Avoid skin contact. Avoid breathing vapor. Keep container closed. Do not take internally. No special measures are necessary if the product is used correctly.

Protection against fire and explosion: Keep away from heat. Prevent electrostatic charge - sources of ignition should be kept well clear – fire extinguishers should be kept handy.

Storage: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight. Store protected against freezing.

Storage incompatibility: Segregate from metals. Segregate from lyes. Segregate from oxidants. Segregate from foods and animal feeds.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Component Exposure Limits

<u>CAS Number</u>	<u>Component Name</u>	<u>Exposure Limits</u>
1330-20-7	Xylene	OSHA PEL 100 ppm 435 mg/m ³ , ACGIH TWA value 100 ppm ; STEL value 150 ppm
142-82-5	Heptane	OSHA PEL 500 ppm 2,000 mg/m ³ , ACGIH TWA value 400 ppm ; STEL value 500 ppm.
100-41-4	EthylBenzene	OSHA PEL 100 ppm 435 mg/m ³ , ACGIH TWA value 100 ppm ; STEL value 125 ppm.
1317-65-3	Limestone	OSHA PEL 5 mg/m ³ Respirable fraction ; PEL 15 mg/m ³ Total dust
13463-67-7	Titanium Dioxide	OSHA PEL 15 mg/m ³ total dust, ACGIH TLV 10 mg/m ³

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Exposure limits are provided for information only. These chemicals are not in a respirable form in this product.

Engineering Controls

Local Ventilation: Recommended.

General Ventilation: Recommended.

Personal Protective Equipment for Routine Handling

Eyes: Use proper protection – tightly fitting safety goggles as a minimum.

Skin: Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

Suitable Gloves: Avoid skin contact by implementing good industrial hygiene practices and procedures. Select and use gloves and/or protective clothing to further minimize the potential for skin contact. Consult with your glove and/or personnel protective equipment manufacturer for selection of appropriate compatible materials.

Inhalation: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.

Suitable Respirator: If vapor is generated when material is heated or handled, the following is advised. General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended occupational exposure limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

Personal Protective Equipment for Spills

Eyes: Use full face respirator.

Skin: Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

Inhalation/Suitable Respirator: Respiratory protection recommended. Follow OSHA Respirator Regulations (29 CFR 1910.134) and use NIOSH/MHSA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Precautionary Measures: Avoid eye contact. Avoid skin contact. Avoid breathing vapor. Keep container closed. Do not take internally. Use reasonable care.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

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9. PHYSICAL & CHEMICAL PROPERTIES

Physical Form: Paste
Color: N/A
Odor: Solvent
Specific Gravity @ 25°C: ~0.98
Viscosity: Not determined.
Freezing/Melting Point: Not determined.
Boiling Point: Not determined.
Vapor Pressure @ 25°C: Not determined.
Vapor Density: Heavier than air.
Solubility in Water: Slightly soluble
pH: Not determined.
Volatile Content: 9g/l
Flash Point: > 212F/100C (Closed Cup)
Autoignition Temperature: Not determined.
Flammability Limits in Air: Lower Explosion Limit 1.0% (V).
Upper Explosion Limit 6.7% (V)..

Note: The above information is not intended for use in preparing product specifications.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable.
Hazardous Polymerization: Hazardous polymerization will not occur.
Conditions to Avoid: Avoid temperatures above 120 °F.
Materials to Avoid: Strong acids, strong bases, strong oxidizing agents.

Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Metal oxides. Nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Component Toxicology Information

Carcinogenicity

For EthylBenzene

IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). NTP listed carcinogen.

For Titanium Dioxide

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IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

In long-term studies in rats in which the substance was given by inhalation, a carcinogenic effect was observed.

Tumors were only observed in rats after chronic inhalative exposure to high concentrations which caused sustained lung inflammation.

In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed.

Dermal exposure is not expected to be carcinogenic.

Developmental toxicity/teratogenicity

Information on: Xylene

A teratogenic potential cannot be excluded.

For Product

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

Special Hazard Information on Components

None

12. ECOLOGICAL CONSIDERATIONS

Environmental Fate and Distribution

Complete information is not yet available.

Environmental Effects

Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

Ecotoxicity Classification Criteria

Hazard Parameters (LC50 or EC50)	High	Medium	Low
Acute Aquatic Toxicity (mg/L)	<=1	>1 and <=100	>100
Acute Terrestrial Toxicity	<=100	>100 and <=2000	>2000

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p.34, 1993.

This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material.

13. DISPOSAL CONSIDERATIONS

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RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? No

State or local laws may impose additional regulatory requirements regarding disposal.

14. TRANSPORT INFORMATION

DOT Road Shipment Information (49 CFR 172.101)

Hazard class: 3
Packing group: III
ID number: UN 1133
Hazard label: 3
Proper shipping name: ADHESIVES

Ocean Shipment (IMDG)

Hazard class: 3
Packing group: III
ID number: UN 1133
Hazard label: 3
Marine pollutant: NO
Proper shipping name: ADHESIVES

Air Shipment (IATA)

Hazard class: 3
Packing group: III
ID number: UN 1133
Hazard label: 3
Proper shipping name: ADHESIVES

15. REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

This material is considered hazardous.

OSHA hazard category IARC 1, 2A or 2B carcinogen, Chronic target organ effects reported, ACGIH TLV established, Flammable Liquid

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances (40 CFR 355):

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None.

Section 304 CERCLA Hazardous Substances (40 CFR 302):

None.

Section 311/312 Hazard Class (40 CFR 370):

Acute: Yes
Chronic: Yes
Fire: Yes
Pressure: No
Reactive: No

Section 313 Toxic Chemicals (40 CFR 372):

<u>CAS Number</u>	<u>Chemical name</u>
100-41-4	ethylbenzene
1330-20-7	Xylene

Note: Chemicals are listed under the 313 Toxic Chemicals section only if they meet or exceed a reporting threshold.

Work Place Hazardous Material Information Sysytems (CRP Section 33)

This product has been classified according to the hazard criteria of the Controlled Products Regulation and the MSDS contains all required information.

3 Controlled Product: Classification: D2B

Supplemental State Compliance Information

California

Warning: This product contains the following chemical chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

Massachusetts

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
1330-20-7	15 - 40%	Xylene
142-82-5	10 - 30%	Heptane
100-41-4	5 - 10%	Ethyl Benzene
112945-52-5	1.0 - 5.0 %	Silica

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1317-65-3	1.0 - 5.0 %	Limestone
13463-67-7	0.5 - 1.5 %	Titanium dioxide

New Jersey

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
142-82-5	10 - 30%	Heptane
100-41-4	5 - 10%	Ethyl Benzene
112945-52-5	1.0 - 5.0 %	Silica
13463-67-7	0.5 - 1.5%	Titanium Dioxide

Pennsylvania

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
1330-20-7	15 - 40%	Xylene
142-82-5	10 - 30%	Heptane
100-41-4	5 - 10%	Ethyl Benzene
112945-52-5	1.0 - 5.0 %	Silica
1317-65-3	1.0 - 5.0 %	Limestone
13463-67-7	0.5 - 1.5 %	Titanium dioxide

16. OTHER INFORMATION

Prepared by: Premier Industrial Supply, Inc.

The opinions expressed herein are those of qualified experts within Premier Industrial Supply Inc. These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. Since the use of the product is not within the control of Premier Industrial Supply Inc., each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

<http://www.xtrabond.com>