

# SAFETY DATA SHEET



## PREMIER BUILDING SOLUTIONS, INC.

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## XTRAFOAM MULTI BOND ADHESIVE FOAM

### 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**Product Brand Name:** XtraFoam MB: Multi Bond Adhesive Foam

**Other Names/Synonyms:** None

**Recommended Use:** PU – foam gun grade (B2)

**Uses advised against:** No information available

#### Company Contact Information

Premier Building Solutions, Inc.  
480 Nova Drive  
Massillon, OH. 44646  
Telephone: 330-244-2907

#### Emergency Telephone Number

CHEMTREC: 1-800-424-9300 (24 hours) or 1-703-527-3887

### 2. HAZARDS IDENTIFICATION

#### GHS Classification



**Emergency Overview:** Signal word - Danger

**Hazard Statements:** Extremely flammable aerosol. Pressurized container; May burst if heated. Causes serious eye irritation. Harmful if inhaled. Causes skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of causing cancer. May cause harm to breast-fed children. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure. May cause long lasting harmful effects to aquatic life.

#### **Classification of the substance or mixture:**

Flam. Aerosol 1	H222-H229	Extremely flammable aerosol. Pressurized container: May burst if heated.
Carc. 2	H351	Suspected of causing cancer.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.
Acute Tox. 4	H332	Harmful if inhaled.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2A	H319	Causes serious eye irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
STOT SE 3	H335	May cause respiratory irritation.
Lact.	H362	May cause harm to breast-fed children.
Aquatic Chronic 4	H413	May cause long lasting harmful effects to aquatic life.
Resp. Sens. 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled

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**Hazard-determining components of labeling:** Diphenylmethanediisocyanate, isomers and homologous

### Precautionary Statements - Prevention

Keep out of reach of children. Keep away from heat, hot surface, sparks, open flames and other ignition sources. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wear protective gloves/eye protection/face protection. Obtain special instruction before use. Do not breathe vapors/spray. In case of inadequate ventilation wear respiratory protection (a protective mask with an appropriate gas filter- i.e. type A1 according to standard EN 14387).

### Skin

IF ON SKIN: Wash with plenty of water/soap

### Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing

### Eyes

IF IN EYES: Rinse cautiously with water for several minutes; Remove contact lenses if present and easy to do so; continue rinsing.

### Exposed

IF EXPOSED OR CONCERNED: Get medical advice/attention

### Precautionary Statements - Storage

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

### Precautionary Statements - Disposal

Dispose container in accordance with local/regional/national/international regulation.

### NFPA ratings (scale 0-4)

Health = 1

Fire = 0

Reactivity = 3

### HMIS ratings (scale 0-4)

Health = 1

Fire = 0

Reactivity = 3

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance:** Mixture of substances listed below with nonhazardous additions

CAS Number

\*Wt %

Component Name

2

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9016-87-9	40 - 50	Diphenylmethanediisocyanate, isomers and homologous
85535-85-9	1 - 10	Alkanes, C 14-17, chloro
75-28-5	1 - 10	Isobutane
13674-84-5	1 - 10	tris (2-chlorispropyl)-phosphate
115-10-6	5 - 15	Dimethyl Ether
74-98-6	1 - 5	Propane

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

**General Advice:** Symptoms of poisoning may even occur after several hours; therefore, maintain medical observation for at least 48 hours after the accident

**Eye Contact**

Rinse opened eye for several minutes under running water. Get medical attention.

**Skin Contact**

If skin irritation continues, consult a doctor. Immediately wash with water and soap and rinse thoroughly.

**Inhalation**

Supply fresh air; consult doctor. In case of unconsciousness place patient stably in side position for transportation.

**Ingestion**

Call for a doctor immediately

**Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

#### 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media**

Foam; CO2, sand, extinguishing powder. Do not use water.

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#### For safety reason unsuitable extinguishing agents

Water with full jet

#### Specific Hazards Arising from the Chemical

In case of a fire, the following can be released:

Nitrogen Oxides (NO<sub>x</sub>)  
Carbon Monoxide (CO)  
Hydrogen cyanide (HCN)

#### Protective equipment and precautions for firefighters

Mouth respiratory protective device.

#### Additional information

Cool endangered receptacles with water spray; Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

#### Personal Precautions

Ensure adequate ventilation; Keep away from ignition sources; Wear protective equipment; Keep unprotected persons away.

#### Other Information

Refer to protective measures listed in Sections 7 (safe handling), 8 (PPE) and 13 (disposal).

### Environmental Precautions

#### Environmental Precautions

Do not allow product to reach sewage or any water course. Do not allow to enter sewers/surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

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

Ensure adequate ventilation. Dispose contaminated material as waste according to item 13. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Do not flush with water or aqueous cleansing agents.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### Handling

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Ensure that suitable extractors are available on processing machines; Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

#### Information about fire - and explosion protection:

Keep ignition sources away – Do not smoke; Protect against electrostatic charges.

#### **Conditions for safe storage, including any incompatibilities**

#### Storage

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting. Protect from humidity and water. Keep container tightly sealed. Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.

#### Requirements to be met by storerooms and receptacles

Observe official regulations on storing packaging with pressurized containers.

#### Information about storage in one common storage facility

Do not store together with acids. Do not store together with alkalis (caustic solutions). Store away from oxidizing agents.

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

#### Additional information about design of technical systems

No further data; see item 7

#### Components with limit values that require monitoring at the workplace

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits:

Chemical Name	WEEL
Dimethyl Ether (CAS# 115-10-6)	Long Term: 1920 mg/m <sup>3</sup> , 1000 PPM
diphenylmethanediisocyanate, isomeres and homologues (CAS# 9016-87-9)	Short Term: 0.07 mg/m <sup>3</sup> Long Term: 0.02 mg/m <sup>3</sup>

\* The lists that were valid during the creation were used as basis

#### **Individual protection measures, such as personal protective equipment**

#### Eye/Face Protection

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Tightly sealed goggles

#### Hand Protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation; Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture; Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### Glove Material

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### Respiratory Protection

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

#### Hygiene Measures

Immediately remove all soiled and contaminated clothing; Wash hands before breaks and at the end of work; Avoid contact with eyes and skin. Keep away from foodstuffs, beverages and feed. Do not inhale dust/smoke/mist.



## 9. PHYSICAL & CHEMICAL PROPERTIES

Physical Form: Aerosol  
Color: According to product specification  
Odor: Characteristic

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
Melting / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	Not applicable, as aerosol	None known

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Explosion limits		
Upper limit	18.6 Vol %	
Lower limit	3.0 Vol %	
Density @ 20°C	No data available	None known
Water Solubility	Insoluble	None known
Ignition temperature	199°C (390°F)	None known
Auto ignition temperature	Product is not self-igniting	None known
Danger of explosion	Heating may cause an explosion	None known

#### Other Information

VOC Content 18.1%

## 10. STABILITY AND REACTIVITY

#### Reactivity

No further relevant information available

#### Chemical stability (thermal decomposition/conditions to avoid)

No decomposition if used according to specifications

#### Possibility of Hazardous Reactions

Contact with water releases flammable gases.

#### Conditions to avoid

No further relevant information available

#### Incompatible materials

No further relevant information available

#### Hazardous Decomposition Products

Hydrogen cyanide (prussic acid)  
Carbon Monoxide  
Nitrogen oxides (NOx)

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Acute Toxicity

Chemical Name	LD/LC 50
Dimethyl ether (CAS# 115-10-6)	Inhalation – LC50/4 h – 308 mg/L (rat)

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### Primary Irritant Effect

#### **Eye Contact:**

Irritating effect

#### **Skin Contact:**

Irritant to skin and mucous membranes

#### **Sensitization:**

Sensitization possible through inhalation; Sensitization possible through skin contact

### Carcinogenic categories

#### **IARC (International Agency for Research on Cancer)**

diphenylmethanediisocyanate, isomers and homologues: 3  
CAS# 9016-87-9

#### **NTP (National Toxicology Program)**

None of the ingredients listed

#### **OSHA-Ca (Occupational Safety and Health Administration)**

None of the ingredients listed

## 12. ECOLOGICAL CONSIDERATIONS

### Aquatic toxicity:

No further relevant information available

### Persistence and degradability:

No further relevant information available.

### Bioaccumulative potential:

No further relevant information available.

### Mobility in soil:

No further relevant information available.

### Additional ecological information

#### General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

#### Other adverse effects



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No further relevant information available.

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

##### Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

##### Uncleaned Packaging

Dispose of contents/containers in accordance with official regulations.

### 14. TRANSPORT INFORMATION

##### UN Number

DOT: UN1950

IMDG, IATA: 1950

##### UN proper shipping name

IMDG: AEROSOLS

IATA: AEROSOLS, flammable

##### Transport hazard class(es)

DOT, IMDG, IATA:

Class: 2.1

Label: 2.1

##### Packing group

DOT, IMDG, IATA: Void

##### Environmental hazards

Marine pollutant: No

##### Special precautions for user

Warning: Gases.

EMS Number: F-D,S-U

##### UN "Model Regulation"

UN1950, AEROSOLS, 2.1

### 15. REGULATORY INFORMATION

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#### Safety, health and environmental regulations/legislation specific for the substance or mixture

Sara:

##### Section 355 (extremely hazardous substances)

None of the ingredients listed

##### Section 313 (specific toxic chemical listing)

CAS# 9016-87-9 diphenylmethanediisocyanate, isomers and homologues

##### TSCA (Toxic Substances Control Act)

All ingredients listed

##### Proposition 65

None of the ingredients listed

##### Chemicals known to cause reproductive toxicity for females

None of the ingredients listed

##### Chemicals known to cause reproductive toxicity for males

None of the ingredients listed

##### Chemicals known to cause developmental toxicity

None of the ingredients listed

##### EPA (Environmental Protection Agency)

CAS# 9016-87-9 diphenylmethanediisocyanate, isomers and homologues: D; CBD

##### TLV (Threshold Limit Value established by ACGIH)

None of the ingredients listed

##### NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients listed

## 16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### **Abbreviations and acronyms:**

Flam. Gas 1: Flammable gases, Hazard Category 1  
Flam. Aerosol 1: Flammable aerosols, Hazard Category 1  
Press. Gas C: Gases under pressure: Compressed gas  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1

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Skin Sens. 1: Sensitisation - Skin, Hazard Category 1  
Carc. 2: Carcinogenicity, Hazard Category 2  
Lact.: Reproductive toxicity, Additional category, Effects on or via lactation  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2  
Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1  
Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4

**Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text**

**<http://www.xtrabond.com>**