

SAFETY DATA SHEET



PREMIER BUILDING SOLUTIONS, INC.

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Version: 1.1
Revision Date: 3/19/2015

XTRAFOAM FIRE BLOCK EXPANDING FOAM

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Brand Name: XtraFoam FB
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. May cause drowsiness or dizziness. 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 according to Regulation (EC) No 1272/2008:

Flam. Aerosol 1	H222-H229	Extremely flammable aerosol. Pressurized container: May burst if heated.
Resp. Sens. 1	H334	May cause allergy or asthma symptoms or breathing difficulties inhaled.
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. 2	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.

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Appearance: According to product specification

Physical State: Aerosol

Odor: Characteristic

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

The product is classified and labeled according to the CLP regulation.

Precautionary Statements - Prevention

Keep out of reach of children. Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking. 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 of contents/container to an approved waste disposal plant. Dispose container in accordance with local/regional/national/international regulation.

Other information

Contains isocyanates; may produce an allergic reaction

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Mixture of substances listed below with nonhazardous additions

<u>CAS Number</u>	<u>EINECS</u>	<u>*Wt %</u>	<u>Component Name</u>
9016-87-9	N/A	45 - 55	Diphenylmethanediisocyanate, isomers and homologous
<ul style="list-style-type: none">• Resp. Sens. 1; Carc. 2; STOT RE 2; Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1; STOT SE 3			
85535-85-9	287-477-0	1 - 10	Alkanes, C 14-17, chloro
<ul style="list-style-type: none">• Aquatic Acute 1; Aquatic Chronic 1; Lact.			
75-28-5	200-857-2	1 - 10	Isobutane
<ul style="list-style-type: none">• Flam. Gas 1, Press. Gas C			
13674-84-5	N/A	1 - 10	tris (2-chlorispropyl)-phosphate
<ul style="list-style-type: none">• Acute Tox. 4			
115-10-6	204-065-8	5 - 15	Dimethyl Ether
<ul style="list-style-type: none">• Flam. Gas 1, Press. Gas C			
74-98-6	200-827-9	<5	Propane
<ul style="list-style-type: none">• Flam. Gas 1, Press. Gas C			

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

4. FIRST AID MEASURES

General Advice: Show this safety data sheet to the doctor in attendance.

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.

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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.

Additional information

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

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

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_x)
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).

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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

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

Observe official regulations on storing packaging with pressurized containers. Store away from water. Do not store together with acids. Do not store together with alkalis (caustic solutions). 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. Store away from oxidizing agents.

Incompatible Products

No information available

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Guidelines

Ingredients with limit values that require monitoring at the work place:

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Chemical Name	WEL
Dimethyl Ether (CAS# 115-10-6)	Short Term: 958 mg/m ³ , 500 PPM Long Term: 766 mg/m ³ , 400 PPM
diphenylmethanediisocyanate, isomeres and homologues (CAS# 9016-87-9)	Short Term: 0.07 mg/m ³ Long Term: 0.02 mg/m ³ Sen; as -NCO

* The lists valid during the making were used as bias

Individual protection measures, such as personal protective equipment

Eye/Face Protection

If splashes are likely to occur: Wear safety glasses with side shields (or 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 trough 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 self-contained respiratory protective device.

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.



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9. PHYSICAL & CHEMICAL PROPERTIES

Physical Form: Aerosol
Color: According to product specification
Odor: Characteristic
Odor Threshold: No information available

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
pH	No data available	None known
Melting / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	-21°C	None known
Flammability (solid, gas)	No data available	None known
Explosion limits		
Upper limit	18.6 Vol %	
Lower limit	3.0 Vol %	
Vapor pressure @ 20°C	No data available	None known
Density @ 20°C	No data available	None known
Water Solubility	Insoluble	None known
Ignition temperature	199°C	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 (EC) 18.3%

10. STABILITY AND REACTIVITY

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)

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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)

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

Additional toxicological information:
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Harmful; Irritant

CMR effects (carcinogenicity, mutagenicity, and toxicity for reproduction):
Carc. 2, Lact.

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.

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Mobility in soil:

No further relevant information available.

Additional ecological information

General notes:

Water hazard class 1 (German Regulation) (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.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods

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

European waste catalogue

16 05 04: gases in pressure containers (including halons) containing dangerous substances.
08 05 01: waste isocyanates

Contaminated Packaging

Dispose of contents/containers in accordance with official regulations.

14. TRANSPORT INFORMATION

UN- Number

ADR, IMDG, IATA: UN1950

UN proper shipping name

ADR: 1950 AEROSOLS

IMDG: AEROSOLS

IATA: AEROSOLS, flammable

Transport hazard class(es)

ADR:

Class: 2 5F Gases.

Label: 2.1

IMDG, IATA:

Class: 2.1

Label: 2.1

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Packing group

ADR, IMDG, IATA: Void

Environmental hazards

Marine pollutant: No

Special precautions for user

Warning: Gases.

EMS Number: F-D,S-U

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

Transport/Additional information

ADR

Limited quantities (LQ): 11

UN "Model Regulation": UN1950, AEROSOLS, 2.1

15. REGULATORY INFORMATION

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

No further relevant information available.

Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

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
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

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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>