



MATERIAL SAFETY DATA SHEET FOR: MAXBOND PRO

Replaces: July 2006 Date of issue: September 2007

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Maxbond Pro
Other Names: Not applicable
Recommended Use: Foam adhesive / sealant for general construction purposes

Company: H. B. Fuller
Address: 16-22 Red Gum Drive, Dandenong South VIC 3175
Telephone: (03) 9797 6222
Emergency Telephone No: 1800 033 111

2. HAZARD IDENTIFICATION

Hazardous according to criteria of NOHSC

Risk Phrases:

R36, R37,R38 Irritating to eyes, respiratory system and skin
R42 R43 May cause sensitisation my inhalation or skin contact

3. COMPOSITION

Ingredients

Chemical Name	CAS #	PERCENT
1,1,1,2 Tetrafluoroethane compressed gas	811-97-2	Med
4,4 diphenylmethane diisocyanate	101-68-8	Low
Higher oliger polymers of MDI	9016-87-9	Low
Urethane polymer pre blend	-----	High

Low <10% Med. 10-30% High 30-60% V High >60%

4. FIRST AID MEASURES

Swallowed:

Drink one to three glasses of water immediately and seek medical attention. Do not give anything orally to an unconscious person.

Eyes:

Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing.

Skin:

Use rag to remove excess foam. A solvent such as acetone or mineral spirits will help remove uncured foam (though use of these products this may cause skin dryness), avoid eye contact of such solvents. Cured foam may be removed by persistent washing with water. If irritation occurs use mild skin cream and seek medical attention if irritation persists.



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FIRST AID MEASURES CONTINUED:

Inhaled:

Remove to fresh air. Restore breathing, if necessary. Call a physician if symptoms persist.

First Aid Facilities:

Have eye wash available when exposure may occur

Advice to Doctor

Treat symptomatically

5. FIRE FIGHTING MEASURES

FLASH POINT:	Approx 426 oC
AUTOIGNITION TEMPERATURE:	Not established
LOWER EXPLOSIVE LIMIT (% in air):	Not established
UPPER EXPLOSIVE LIMIT (% in air):	Not established
EXTINGUISHING MEDIA:	F, dry chemical or carbon dioxide. Water spray if large quantities (water contact will product carbon dioxide)
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Foam is organic and will therefore burn and support combustion
SPECIAL FIRE FIGHTING INSTRUCTIONS:	Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
HAZARDOUS COMBUSTION PRODUCTS:	CO,CO ₂ ,NO and trace HCN

6. ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION:	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.
CLEAN-UP:	Foam is sticky when curing. Remove bulk of foam by scraping and then remove residue with aid of solvent such as mineral spirits, turpentine or acetone. When cured foam can only be removed by mechanical scraping

7. HANDLING AND STORAGE

Handling: Protect from freezing. Protect from physical abuse

Storage: Store in a cool, dry, ventilated location. Keep away from heat and flame. Keep container closed. Storage below 12 degrees will cause poor foam to be produced if not heated before use.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards [NOHSC: 1004 (2004)].

4,4 diphenylmethane diisocyanate TWA 0.02mg/m³ , STEL 0.7mg / m³

Engineering Controls:
Local exhaust ventilation is preferred

Personal Protection:

EYE PROTECTION: Wear safety glasses when handling this product.

SKIN PROTECTION: Avoid skin contact by wearing chemically resistant gloves. Skin absorption may potentially contribute to the overall exposure to this material. Appropriate measures should be taken to prevent absorption so that the TLV is not invalidated.

GLOVES: Chemically impervious

RESPIRATORY PROTECTION: Respiratory protection may be required to avoid overexposure when handling this product. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. Approved air purifying respirator with organic vapour cartridge or positive pressure breathing apparatus

VENTILATION: Use local exhaust ventilation or other engineering controls to minimize exposures.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Viscous fluid with foams on release
COLOR: White - yellow foam
ODOR: Slight fluorocarbon
ODOR THRESHOLD: Not established
SPECIFIC GRAVITY: 1.2
SOLIDS (% by weight): Not established
VOC content (Californian South coast air quality management rule 1168) zero

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions
CHEMICAL INCOMPATIBILITY: Alcohols, strong amines and bases, metal compounds eg metal catalysts
HAZARDOUS POLYMERIZATION: None established
HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂, NO, HCN

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY

EYE:

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May cause irritation. Due to adhesive nature of foam physical damage to eye may be caused

SKIN:

May cause local irritation and redness. Prolonged or repeated contact may cause sensitisation or dermatitis

INHALATION:

May irritate mucous membranes with tightness in chest, coughing, or allergic asthma like symptoms. Overexposure can lead to respiratory problems such as bronchitis and pulmonary edema. These effects are usually reversible.

Overexposure to tetrafluoroethane may lead to light headedness, dizziness and lethargy. Persons with cardiac arrhythmia may be at an increased risk from overexposure

INGESTION:

May cause irritation of mucous membranes in mouth and digestive track

LONG-TERM (CHRONIC) HEALTH EFFECTS

REPRODUCTIVE: Not established

TARGET ORGAN(S): Lungs

EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE:

Cardiac arrhythmia

12. ECOLOGICAL INFORMATION

OVERVIEW: No ecological information available

13. DISPOSAL

Dispose strictly in accordance with local industrial waste disposal and environmental protection regulation.

14. TRANSPORT INFORMATION

Manufacturer's Code: Not applicable

UN Number: 1950 Aerosols

Dangerous Goods Class: 2.2 Non flammable gas

Subsidiary Risk: None assigned

Hazchem Code: None assigned

Poisons Schedule: Not scheduled

Packaging Group:

Storage and Transport: This product is a Dangerous Good for the purpose of transport.

Consult Bill of Lading for transportation information.

DOT:

IATA:

15. REGULATORY INFORMATION

All components of this material are registered with NICNAS and appear on the AICS.



H.B. Fuller Company

Fuller
WORLD LEADER IN ADHESIVES

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16. OTHER INFORMATION

Contact point: Technical Manager (03) 9797 6222

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular, how to safely handle and use the product in the workplace. Since H.B. Fuller Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for the products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.
