



MATERIAL SAFETY DATA SHEET FOR: POWERBOND

Replaces: July 2006 Date of issue: September 2007

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Powerbond

Other Names: Construction Adhesive, ADHESIVES containing flammable liquid.

Recommended Use: Adhesive for the building industry. Apply directly from the cartridge using a caulking gun.

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:

- R11 Highly flammable.
- R38 Irritating to skin
- R65 Harmful: May cause lung damage if swallowed
- R67 Vapours may cause drowsiness and dizziness

Safety Phrases:

- S2 Keep out of the reach of children.
- S16 Keep away from sources of ignition-No smoking
- S29 Do not empty into drains

3. COMPOSITION

Ingredients

CHEMICAL ENTITY	CAS NO	PROPORTION
Heptane	142-82-5	High
Toluene	108-88-3	Low
Methylated spirits	64-17-5	Low
Kaolin	1332-58-7	High
Aromatic hydrocarbon resins	Not available	Med
SBS thermoplastic rubber	Not available	Med
Other ingredients determined not to be hazardous	Not applicable	Low

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



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4. FIRST AID MEASURES

Swallowed:

If swallowed, rinse mouth thoroughly with water. Give plenty of water to drink. Do NOT induce vomiting. If vomiting occurs, ensure that victim's head is lower than hips to prevent vomitus entering lungs. See a doctor if any ill effects persist

Eyes:

Hold eyelids open and irrigate immediately with copious amounts of water for 15 minutes. See a doctor.

Skin:

Wash affected areas with copious quantities of soap and water immediately. Remove contaminated clothing and wash before reuse.

Inhaled:

Remove from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Restore breathing if necessary. Allow patient to assume most comfortable position and keep warm. See a doctor.

First Aid Facilities:

Have eyewashes available where eye contact can occur. Provide safety showers.

Advice to Doctor

Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLASH POINT:

Not applicable

AUTOIGNITION TEMPERATURE:

Not established

LOWER EXPLOSIVE LIMIT (% in air):

Not established

UPPER EXPLOSIVE LIMIT (% in air):

Not established

EXTINGUISHING MEDIA:

Use water spray, foam, dry chemical or carbon dioxide.

UNUSUAL FIRE AND EXPLOSION

HAZARDS:

SPECIAL FIRE FIGHTING

Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

INSTRUCTIONS:

HAZARDOUS COMBUSTION PRODUCTS:

Incomplete combustion can yield low molecular weight hydrocarbons, oxides of carbon, oxides of nitrogen, silicone dioxide, formaldehyde and other hazardous products of combustion.



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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: Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

7. HANDLING AND STORAGE

Storage and Transport:
Keep containers securely sealed and protected against physical damage. Store in a well ventilated area, away from sources of heat and ignition. This product is a Class 3 Dangerous Good having the Proper Shipping Name ADHESIVES containing flammable liquid. Transport as required by the ADG Code.

Hazardous Polymerisation:
Will not occur

Incompatibilities:
None established.

Spills and Disposal:
Contain - prevent contamination of waterways and drains. Immobilise using absorbent and transfer to a suitable container for disposal. Use non-sparking tools. For disposal, consult responsible authority regarding statutory requirements

Fire/Explosion Hazard:
This product is highly flammable. Fire fighters to wear self contained breathing apparatus if risk of exposure to vapours. Fire fighters to wear full protective equipment. Keep containers cool with water spray to avoid pressure build up and rupture of containers.

Hazardous Decomposition:
Incomplete combustion can yield low molecular weight hydrocarbons, carbon monoxide and other hazardous products of combustion.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards [NOHSC: 1008 (2004)]:

	TWA
Heptane	400 ppm
Kaolin	10 mg/m ³

Engineering Controls:

Local exhaust ventilation preferred. Provide ventilation to control exposure levels below airborne exposure limits.

Personal Protection:

Wear safety overalls, safety glasses and rubber gloves. If airborne exposure limits are likely to be exceeded, wear organic half face canister type respirators. Ensure that cartridges are correct for the potential air contamination and are in good working order (for selection guide see AS 1715). Always wash hands before smoking, eating, drinking or using the toilet.

Flammability:

Classified as a class 3 (highly flammable) liquid. All potential sources of ignition, (open flames, pilot lights, welding equipment, spark producing switches and electrical equipment etc), must be eliminated both in and near the work area. **DO NOT SMOKE.**

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Thick beige paste

Melting Point: Not established

Boiling Point: > 87°C (heptane)

Vapour Pressure: 16.6kPa at 15°C (heptane)

Specific Gravity: approx. 1.07

Flashpoint: <-12°C (heptane)

Flammability Limits: Not Established

Solubility in water: Not Soluble

VOC content (Californian South coast air quality management rule 1168): 371g per litre

Other Properties

None that are relevant

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions of temperature and humidity

CHEMICAL INCOMPATIBILITY: Not established

HAZARDOUS POLYMERIZATION

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and other harmful gases be emitted upon burning

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11. TOXICOLOGICAL INFORMATION

Health Effects

ACUTE:

Swallowed:

An unlikely route of entry. Ingestion may result in vomiting and nausea.

Eye:

An eye irritant due to the presence of heptane.

Skin:

Contact with skin may result in mild irritation.

Inhaled:

Overexposure to vapours in poorly ventilated areas will cause irritation of the nose, throat and respiratory tract and may cause dizziness, headaches, nausea or unconsciousness. Inhalation of high concentrations can produce central nervous system depression which can lead to loss of co-ordination, impaired judgement and, if exposure is prolonged, unconsciousness and possibly death.

CHRONIC:

Prolonged or repeated skin contact may lead to dermatitis due to the defatting effect of heptane.

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

UN Number: 1133

Dangerous Goods Class: 3

Subsidiary Risk: None allocated

Hazchem Code: 3[Y]

Poisons Schedule: Not scheduled

Packaging Group: III

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.
