



H.B. Fuller

Material Safety Data Sheet

MAXBOND CONSTRUCTION ADHESIVE

Infosafe No.: LQ1KB

Issued Date: 09/05/2012

Issued by: H.B. FULLER COMPANY

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name

MAXBOND CONSTRUCTION ADHESIVE

Company Name

H.B. FULLER COMPANY (ABN 003 638 435)

Address

16-22 Red Gum Drive Dandenong South
Victoria 3175 Australia

Emergency Tel.

AUS: 1800 033111 (or IDD +61 3 9663 2130), NZ: 0800 734 607 (Or IDD +64 473 4607)

Telephone/Fax Number

Tel: Customer Service Toll Free Numbers: Australia 1800 423 855; New Zealand: 0800 555 072

Indonesia's Distributor Name

PT. Bondall Kumala Jaya

Address

Duta Indah Iconic Blok F17, Kebon Nanas, Tangerang 15143

Telephone / Fax Number

021) 2259 5588 / (021) 2259 5999

Recommended Use

Bonding of a variety of substrates in building, construction and DIY.

Other Information

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 Company 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.

2. HAZARD IDENTIFICATION

Hazard Classification

Australia:

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

New Zealand:

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.

HSNO Classification:

3.1B - Flammable liquid: high hazard

6.3A - Substance that is irritating to the skin

6.8B - Substance that is suspected to be a human reproductive or developmental toxicant

9.1B - Substance that is ecotoxic in the aquatic environment

Hazard statement codes:

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H361 Suspected of damaging fertility or the unborn child.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statement codes - Prevention:

P103 Read label before use. -This statement applies only where the substance is available to the general public.
P104 Read Safety Data Sheet before use.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P273 Avoid release to the environment. -This statement does not apply where this is the intended use.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.

Precautionary statement codes - Response:

P308+P313 IF exposed or concerned: Get medical advice/ attention.
P370+P378 In case of fire: Use carbon dioxide, dry chemical or foam for extinction. Alcohol resistant foam is preferred. -This statement applies if water increases risk.
P391 Collect spillage.
SKIN:
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before re-use.

Precautionary statement codes - Storage:

P405 Store locked up.
P403+P235 Store in a well-ventilated place. Keep cool.

Precautionary statement codes - Disposal:

P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided. See Section 13 for disposal details.

Risk Phrase(s)

R11 Highly flammable.
R38 Irritating to skin.
R67 Vapours may cause drowsiness and dizziness
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrase(s)

S9 Keep container in a well ventilated place.
S16 Keep away from sources of ignition - No smoking.
S28 After contact with skin, wash immediately with plenty of water
S33 Take precautionary measures against static discharges.
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization

Paste

Ingredients

Name	CAS	Proportion
Ingredients determined not to be hazardous		60-100 %
Naphtha (petroleum), hydrotreated light	64742-49-0	10-30 %
Petroleum resins	64742-16-1	0-15 %
Silica, Crystalline Quartz	14808-60-7	0-<2 %
Ethanol	64-17-5	0-<2 %
Toluene	108-88-3	0-<1 %
Sodium dioctyl sulphosuccinate	577-11-7	0-<1 %

4. FIRST-AID MEASURES

Inhalation

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.

Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.

Skin

Remove contaminated clothing. Wash affected area thoroughly with soap and water Wash contaminated clothing before re-use or discard. Seek medical attention.

Eye

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.

First Aid Facilities

Eyewash and normal washroom facilities.

Advice to Doctor

Treat symptomatically.

Other Information

For advice, contact a Poisons Information Centre (New Zealand 0800 764 766) or a doctor (at once).

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use carbon dioxide, dry chemical or foam. Alcohol resistant foam is preferred. If not available normal foam can be used.

Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

Specific Hazards

Highly flammable liquid and vapour. Vapour/ air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.

Hazchem Code

•3Y

Precautions in connection with Fire

Fire fighters should wear Self- Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Avoid inhalation of vapours and mists, and skin or eye contact. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for Safe Storage

Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all applicable local and national regulations.

Storage Temperatures

<30°C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards

No exposure value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC), Australia or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, the available exposure limits for ingredients are listed below:

National Occupational Health And Safety Commission (NOHSC), Australia Exposure Standards:

Substance	STEL		TWA	
	ppm	mg/m ³	ppm	mg/m ³
Quartz (respirable)	-	0.2	-	-
Toluene	-	-	50	188
Ethanol	-	-	1000	1880

New Zealand Occupational Safety and Health Service (OSH) Workplace Exposure Standards:

Substance	STEL		TWA	
	ppm	mg/m ³	ppm	mg/m ³
Quartz (respirable)	-	0.2	-	-
Toluene	-	-	50	188
Ethanol	-	-	1000	1880

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Biological Limit Values

Biological Exposure Index BEI from American Conference of Industrial Hygienists (ACGIH) for ingredients are as follows:

Determinant	Sampling Time	Biological Exposure Indices (BEI)
TOLUENE [108-88-3]		

o-Cresol in urine	End of shift	0.3mg/g creatinine
Toluene in urine	End of shift	0.03 mg/L
Toluene in blood	Prior to last shift of work week	0.02 mg/L

Engineering Controls

Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/ NZS 60079. 10. 1: 2009 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, for further information concerning ventilation requirements.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection

Suitable protective work wear, e. g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Paste	Appearance	Wood colour, thick paste like substance
Odour	Characteristic solvent odour	Melting Point	Not available
Boiling Point	Not available	Solubility in Water	Insoluble
Specific Gravity	1.04 - 1.08	pH Value	Not available
Vapour Pressure	Not available	Vapour Density (Air=1)	Not available
Flash Point	-5°C (approximately)	Flammability	Highly flammable
Flammable Limits - Lower	Not available	Flammable Limits - Upper	Not available
Dynamic Viscosity	75,000 - 120,000 cP		

Other Information

Volatile Organic Compound (VOC) (g/L): 371 (According to Californian South Coast Air Quality Management Rule 1168)

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions of storage and handling.

Conditions to Avoid

Heat and other sources of ignition.

Incompatible materials

Strong oxidizers.

Hazardous Decomposition Products

Thermal decomposition and combustion produce noxious fumes containing oxides of carbon.

Hazardous Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

No toxicology data available for this product.

Inhalation

May cause irritation to the mucous membrane and upper airways, especially where vapours or mists are generated. Symptoms include sneezing, coughing, wheezing, shortness of breath, headache, dizziness, drowsiness, nausea and vomiting.

Ingestion

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Skin

Irritating to skin. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

Eye

May be irritating to eyes. The symptoms may include redness, itching and tearing.

Reproductive Toxicity

Classified for New Zealand: Substance that is suspected to be a human reproductive or developmental toxicant.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persistence / Degradability

Not available

Mobility

Not available

Environmental Protection

Do not discharge this material into waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal considerations

Product Disposal:

Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. This product can be disposed through a licensed commercial waste collection service. In this specific case the product is a solvent-based, flammable substance.

Personal protective clothing and equipment as specified in Section 8 of this SDS must be worn during handling and disposal of this product. The ventilation requirements as specified in the same section must also be followed, and the precautions given in Section 7 of this SDS regarding handling must also be followed.

Do not dispose into the sewerage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected.

In New Zealand, the disposal agency or contractor must comply with the New Zealand Hazardous Substances (Disposal) Regulations 2001. Further details regarding disposal can be obtained on the ERMA New Zealand website under specific group standards.

Container Disposal:

The container or packaging must be cleaned and rendered incapable of holding any substance. It can then be disposed of in a manner consistent with that of the substance it contained. In this instance the packaging can be disposed through a commercial waste collection service.

Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-

hazardous.

In New Zealand, the packaging (that may or may not hold any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

14. TRANSPORT INFORMATION

Transport Information

Australia:

This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:

- Class 1, Explosives
- Division 2.1, Flammable Gases, (Division 2.1 and Class 3 are incompatible in transport if both are in tanks or other receptacles with a capacity individually exceeding 500 L.)
- Division 2.3, Toxic Gases
- Division 4.2 Spontaneously Combustible Substances
- Division 5.1 Oxidising Agents and Division 5.2, Organic Peroxides
- Class 6 Toxic or Infectious Substances (where the flammable liquid is nitromethane)
- Class 7 Radioactive Substances.

New Zealand:

This material is classified as a Class 3 - Flammable Liquid according to NZS 5433:2007 Transport of Dangerous Goods on Land.

Must not be loaded in the same freight container or on the same vehicle with:

- Class 1, Explosives
- Division 2.1, Flammable gases
- Division 2.3, Toxic gases
- Division 4.2, Spontaneously combustible substances
- Division 5.1, Oxidising substances
- Division 5.2, Organic peroxides or
- Class 7, Radioactive materials unless specifically exempted.

Must not be loaded with in the same freight container; and on the same vehicle must be separated horizontally by at least 3 metres unless all but one are packed in separate freight containers with:

- Division 4.3, Dangerous when wet substances

Goods of packing group II or III may be loaded in the same freight container or on the same vehicle if transported in segregation devices with:

- Division 4.2, Spontaneously combustible substances
- Division 4.3, Dangerous when wet substances
- Division 5.1, Oxidising substances
- Division 5.2, Organic peroxides

U.N. Number

1133

Proper Shipping Name

ADHESIVES

DG Class

3

Packing Group

III

Hazchem Code

•3Y

EPG Number

3A1

IERG Number

14

Other Information

This product complies with the requirements of subsections 2.3.2.2 and 2.3.2.3 as specified by the New Zealand Standard NZS 5433:Part1:2007 Transport of Dangerous Goods on Land.

This product complies with the requirements of subsections 2.3.2.2 and 2.3.2.3 as specified by the Australian Code for the Transport of Dangerous Goods by Road and Rail 7th Edition.

This product complies with the requirements of subsections 2.3.2.2 (0.1- F.P.< 23 deg C, 0.2 -Flow rate -100<t, 0.3-na,0.4-na,0.5-na) as specified by the IMDG Code for the Transport of Dangerous Goods by Sea 2014 (37-14) Edition 2014(37-14)

15. REGULATORY INFORMATION

Regulatory information

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule

Not Scheduled

National and or International Regulatory Information

New Zealand:

Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

All components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempted.

Group Standard: Surface Coatings and Colourants (Flammable) Group Standard 2006

HSNO Approval Number

HSR002662

Hazard Category

Irritant, Highly Flammable, Dangerous for the environment

16. OTHER INFORMATION

Date of preparation or last revision of MSDS

SDS created: May 2012

Contact Person/Point

For advice in an emergency contact:

Australia: 1800 033 111 (or IDD +61 3 9663 2130).

New Zealand: 0800 734 607 (or IDD +64 4 473 4607)

END OF SDS

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