

SAFETY DATA SHEET

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Date: 15/02/2017

Hazardous according to criteria of worksafe Australia
MAX BOND MPU 2-PART POLYURETHANE ADHESIVE PART A

Revision: 0

1. Substance/preparation and company identification

1.1 Product Identifier

Max Bond MPU 2-Part Polyurethane Adhesive **Part A**

1.2 Product use and description

Two-part polyurethane adhesive for flooring applications

1.3 Details of the supplier of the safety data sheet

Nexus Adhesives Pty Ltd
42 Healey Road, Dandenong South.
Victoria 3175 Australia
Telephone: +61 3 9706 4022
Telefax number: +61 3 9706 4122

1.4 Emergency telephone number

0417 489 877 [within Australia]

2. Hazard identification

2.1 GHS Hazard Classification:

Hazardous according to criteria of WHS and ADG codes and regulations.

2.2 Hazard Statements

H304	May be fatal if swallowed and enters airways	Cat 1 Asp Tox.
H315	Causes skin irritation	Cat 2 Skin Irrit.
H336	May cause drowsiness or dizziness	Cat 3 STOT SE
H360	May damage fertility of the unborn child	Cat 1A Reproductive toxicant
H373	May cause damage to organs through prolonged or repeated exposure	Cat 2 STOT RE

2.3 Hazard Pictogram



Exclamation
Mark

Health Hazard

2.3 Signal Word

Danger

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2.4 Precautionary Statements - Prevention

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required

2.5 Precautionary Statements – Response

P310	Immediately call a POISON CENTER/ doctor if you feel unwell.
P363	Wash contaminated clothing before reuse
P304+340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+313	IF exposed or concerned: Get medical advice/attention.
P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+361+353	IF ON SKIN (or hair): Remove/ take off immediately all contaminated clothing. Rinse skin with water/shower

2.6 Precautionary Statements – Storage

P405	Store locked up.
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2.7 Other hazards

P501	Dispose of contents/container in accordance with local/regional/national regulations.
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3. Composition/information on ingredients

Chemical nature

Paste

Chemical Name	CAS No.	Conc (%w/w)	Classification
Barium Sulphate	7727-43-7	10-20%	
Calcium Carbonate	471-34-1	10-20%	
Propylene glycol phenol ether	770-35-4	1-5%	
Micronized wax	-	2-4%	
Benzene, methyl-	108-88-3	< 2%	H225 Highly flammable liquid and vapour 2 H315 Causes skin irritation 2 H360 May damage fertility of the unborn child 1A H373 May cause damage to organs through prolonged or repeated exposure 2

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Non-hazardous ingredients	-	To 100	
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4. First-aid measures

4.1 Description of first aid measures:

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air and seek medical attention if breathing becomes difficult. Apply artificial respiration if not breathing, perform CPR if necessary.

On skin contact:

Immediately remove contaminated clothing, Wash thoroughly with soap and water. Seek medical attention in event of irritation.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist without delay.

Removal of contact lenses after an eye injury should be undertaken by skilled personnel.

On ingestion:

Rinse mouth immediately and then drink plenty of water, DO NOT induce vomiting unless directed to do so by a physician. Seek medical attention immediately.

Advice to doctor:

Treat symptomatically

4.2 Most important symptoms and effects, both acute and delayed:

If inhaled:

May cause nausea and vomiting

On skin contact:

Cause burns. May cause sensitisation by skin contact.

On contact with eyes:

Cause burns. Cause severe inflammation and may damage the cornea.

On ingestion:

May cause nausea and vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Seek medical attention

5. Fire-fighting measures

5.1 Suitable extinguishing media:

Water fog, dry extinguishing media, foam, carbon dioxide.

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5.2 Special hazards arising from the substance and mixture

Avoid contamination with oxidizing agents.

5.3 Advice for fire fighters:

Fire Fighting:

Alert Fire Brigade and tell them location and nature of hazard.

Full protective clothing and self-contained breathing apparatus when necessary.

Prevent, by any means available, spillage from entering drains or water course.

Use water delivered as a fine spray to control fire and cool adjacent area.

Avoid spraying water onto liquid pools.

Fire/Explosion Hazard:

Non-combustible.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid accidents, clean up immediately. Slippery when spilt. Personnel involved in the cleanup should wear full protective clothing.

Evacuate all unnecessary personnel. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Stop leak if safe to do so. Isolate the danger area.

6.2 Environmental precautions

Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.

6.3 Methods and materials for containment and cleaning up

Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labeled container and dispose of promptly. Recycle if possible.

7. Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Avoid all personal contact, including inhalation.

Wear protective clothing when risk of exposure occurs.

Use in well-ventilated area.

DO NOT enter confined spaces until atmosphere has been checked.

DO NOT allow clothing wet with material to stay in contact with skin.

Store in original containers.

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Keep containers securely sealed.
No smoking, naked lights or ignition sources.
Store away from incompatible materials and foodstuff containers.

7.2 Conditions for safe storage, including any incompatibilities

Suitable container:

Metal can or drum
Packaging as recommended by manufacturer.
Check all containers are clearly labelled and free from leaks.

Storage Incompatibility:

Avoid exposure to heat, naked flames and strong oxidising agents. Keep away from ignition sources.

7.3 Specific end use

See section 1.2 for further information

8. Exposure controls and personal protection

8.1 Control parameters

Australian Exposure Standards:

Chemical Name	CAS No.	TWA	STEL
Benzene, methyl-	108-88-3	191 mg/m ³ 50 ppm	574 mg/m ³ 191 ppm

8.2 Exposure controls

Appropriate engineering controls

Ensure adequate ventilation of the working area.

Hand protection:

Suitable chemical resistant safety gloves (PVC)

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Respiration apparatus:

Self-contained breathing apparatus. Suitable half mask respirator with filter P2 (e.g. EN 143)

Environmental exposure control:

See section 6 for further information.

General safety and hygiene measures:

Hands and/or face should be washed before breaks and at the end of the shift. Avoid contact with skin and eyes.

9. Physical and chemical properties

Appearance: Paste
Colour: pigmented grey

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Odour:	Slightly musty odour
Odour threshold:	No data available
pH value:	Not applicable
Melting/freezing point:	No data available
Initial boiling point:	No data available
Flash point:	>200 °C
Evaporation rate:	No data available
Flammability:	Highly Flammable
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	Approx. 1.25 kg/L
Solubility:	Insoluble in water
Partition coefficient:	No data available
Auto ignition temperature:	No data available
Viscosity:	No data available
Specific heat value:	No data available
VOC content:	No data available
% volatile:	No data available
Saturated vapour concentration:	No data available

10. Stability and reactivity

10.1 Reactivity

No particular risks of reaction with other substances in normal conditions of use.
Possible hazardous reaction with strong oxidising agents.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reaction

See Section 7.

10.4 Conditions to Avoid

Heat, sparks, open flames, hot surfaces and direct sunlight.

10.5 Incompatible materials and possible hazardous reactions

See Section 10.1.

10.6 Hazardous decomposition products

Oxides of carbon

11. Toxicological information

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11.1 Information on route of exposure and symptoms

If inhaled:

May cause nausea and vomiting, can cause respiratory irritation in some person. The body's response to such irritation can cause further lung damage.

On skin contact:

May cause sensitisation and inflammation by skin contact. The material can accentuate any pre-existing dermatitis condition. Open cuts, abraded or irritated skin should not be exposed to this material.

On contact with eyes:

May cause inflammation and may damage the cornea.

On ingestion:

May cause nausea and vomiting.

11.2 Numerical measure of toxicity

Benzene, methyl- CAS 108-88-3

LD50 (Oral): > 5000 mg/kg (rat)

LD50 (Dermal): 12124 mg/kg (rabbit)

LC50/4hr (Inhalation): 5320 mg/L (mouse)

11.3 Other Hazard information

Germ Cell Mutagenicity:

Based on classification principles, the classification criteria are not met.

Carcinogenicity:

Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity:

Suspected of damaging fertility or the unborn child.

Benzene, methyl is classified by Safe Work Australia as Toxic to Reproduction Category 1.

Specific Target Organ Toxicity (STOT) - Single Exposure:

May cause drowsiness and dizziness.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard:

May be fatal if swallowed and enters airways.

Chronic Health Effects:

Based on classification principles, the classification criteria are not met.

Existing Conditions Aggravated by Exposure:

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Exposure may aggravate existing dermatitis and skin sensitivity.

12. Ecological information

12.1 Ecotoxicity

Calcium Carbonate:

LC50 Fish 96 h > 10'000 mg/l

LC50 Daphnia 49 h > 1000 mg/l

LC50 Algae 72 h > 200 mg/l

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

No information available

12.5 Other adverse effects

No information available

13. Disposal considerations

13.1 Safe handling and disposal methods

Dispose of this material and its container, sending them to local company authorised for collection of hazardous waste.

13.2 Disposal of any contaminated packaging

Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

14. Transport information

14.1 UN Number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class (es)

No data available

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14.4 Packing group

Not applicable

14.5 Environmental hazards

No data available

14.6 Special precautions for users

Transport in secure and safe packaging. Keep all containers upright. Transporter should be aware of emergency procedures in place in case of any accident or leakage. See Section 4-8 for further information.

14.7 Hazchem Code

3Y

14.8 Other codes

ARD/RID

As above

IMDG

As above

IATA

As above

15. Regulatory information

15.1 Safety, health and environmental regulations specific for the product

Benzene, methyl-	108-88-3
Barium Sulphate	7727-43-7
Calcium Carbonate	471-34-1
Propylene glycol phenol ether	770-35-4

Found on the following regulatory lists:

Australia Exposure Standards

Australia Inventory of Chemical Substances (AICS)

Australia Hazardous Substances Information System – Consolidated Lists

International Agency for Research on Cancer (IARC) – Agents Classified by the IARC Monographs

15.2 Poisons schedule number

Not a poison

16. Other information

Any other intended applications should be discussed with the manufacturer.

Revisions:

Date

Sections Reviewed

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Contact

Technical

0417489877

Sales

0448395091

Key abbreviations or acronyms used

ADG - Australian Dangerous Goods Code

TWA - Time-Weighted Average

STEL - Short Term Exposure Limit

ppm - Parts of vapour or gas per million parts of contaminated air by volume.

mg/m³ - Milligrams of substance per cubic metre of air. Refer to Section 3.3 for more information on the units for exposure standards. When an entry is in this column only, the value is exact; when listed with a ppm value, it is approximate.

Asterisk * in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agree property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.