

# Safety data sheet

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BASF Safety data sheet

Date / Revised: 10.08.2011

Product: **MBRACE LAMINATE ADHESIVE PART A**

Version: 1.1

(30432134/SDS\_GEN\_AU/EN)

Date of print 11.08.2011

## 1. Substance/preparation and company identification

### **MBRACE LAMINATE ADHESIVE PART A**

Use: Product for construction chemicals

Company:

BASF Australia Limited (ABN 62 008 437 867)

Level 12, 28 Freshwater Place Southbank

Victoria 3006, AUSTRALIA

Telephone: +61 3 8855-6600

Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]

BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

## 2. Hazard identification

HAZARDOUS SUBSTANCE, DANGEROUS GOOD

Irritating to eyes and skin.

May cause sensitization by skin contact.

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

Possible risk of irreversible effects.

Keep out of the reach of children.

Avoid contact with skin and eyes.

After contact with skin, wash immediately with plenty of water and soap.

Wear suitable gloves and eye/face protection.

If swallowed, seek medical advice immediately and show this container or label.

Avoid release to the environment. Refer to special instructions/safety data sheets.

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### 3. Composition/information on ingredients

#### Chemical nature

based on: epoxy resin

#### Hazardous ingredients

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with  
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane ]

Content (W/W):  $\geq 0\%$  -  $< 50\%$

CAS Number: 25036-25-3

1,2-epoxy-3-(tolylloxy)-propane

Content (W/W):  $\geq 0\%$  -  $< 50\%$

CAS Number: 26447-14-3

Hazard symbol(s): Xn, N

R-phrase(s): 38, 43, 51/53, 68

Reaction product: bisphenol-A-(epichlorhydrin)-Epoxy resin (number average molecular weight  $\leq 700$ )

Content (W/W):  $\geq 0\%$  -  $< 25\%$

CAS Number: 25068-38-6

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

### 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Note to physician:

Symptoms: Eye irritation, skin irritation, allergic contact dermatitis

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:  
foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:  
water jet

Specific hazards:  
carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Special protective equipment:  
Wear a self-contained breathing apparatus.

Further information:  
The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## 6. Accidental Release Measures

Personal precautions:  
Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions:  
Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:  
For small amounts: Sweep/shovel up. Dispose of absorbed material in accordance with regulations.  
For large amounts: Sweep/shovel up. Dispose of absorbed material in accordance with regulations.

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## 7. Handling and Storage

### Handling

Avoid contact with the skin, eyes and clothing.

Protection against fire and explosion:  
The substance/product is non-combustible. The product does not contribute to the spreading of flames, nor is it self combustible, not explosive.

### Storage

Suitable materials for containers: tin (tinplate), High density polyethylene (HDPE)  
Further information on storage conditions: Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight. Store protected against freezing.

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## 8. Exposure controls and personal protection

### Components with workplace control parameters

Quartz (SiO<sub>2</sub>), 14808-60-7;

TWA value 0.1 mg/m<sup>3</sup> (OEL (AU))

(OEL (AU)), dust

Included in the regulation, but with no data values - See the regulation for further details

calcium carbonate, 471-34-1;

TWA value 10 mg/m<sup>3</sup> (OEL (AU)), Inhalable dust

Limestone, 1317-65-3;

TWA value 10 mg/m<sup>3</sup> (OEL (AU)), Inhalable dust

Titanium dioxide, 13463-67-7;

TWA value 10 mg/m<sup>3</sup> (OEL (AU)), Inhalable dust

talca, 14807-96-6;

TWA value 2.5 mg/m<sup>3</sup> (OEL (AU))

Silicon dioxide, 7631-86-9;

TWA value 2 mg/m<sup>3</sup> (OEL (AU)), Respirable fraction

### Personal protective equipment

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other  
Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

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

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

## 9. Physical and Chemical Properties

Form:	paste
Colour:	beige
Odour:	characteristic
pH value:	not applicable
Boiling point:	> 150 °C
Flash point:	not applicable
Flammability:	does not ignite
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Self heating ability:	It is not a substance capable of spontaneous heating.
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	not applicable
Density:	1.37 - 1.43 g/cm <sup>3</sup>
Bulk density:	1,300 - 1,400 kg/m <sup>3</sup>
Miscibility with water:	immiscible
Hygroscopy:	Non-hygroscopic
Viscosity, dynamic:	not applicable
Solids content:	100 %

### Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

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## 10. Stability and Reactivity

### Conditions to avoid:

See MSDS section 7 - Handling and storage.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

strong acids, strong bases, strong oxidizing agents

Corrosion to metals: No corrosive effect on metal.

Hazardous reactions:

The product is stable if stored and handled as prescribed/indicated.

No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion.

### Irritation

Assessment of irritating effects:

Eye contact causes irritation. Skin contact causes irritation.

### Sensitization

Assessment of sensitization:

Sensitization after skin contact possible.

### Repeated dose toxicity

Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

### Genetic toxicity

Assessment of mutagenicity:

Mutagenic properties can not be excluded on the basis of experimental data.

### Carcinogenicity

Assessment of carcinogenicity:

Based on the ingredients there is no suspicion of a carcinogenic effect.

### Reproductive toxicity

Assessment of reproduction toxicity:

The chemical structure does not suggest a specific alert for such an effect.

### Developmental toxicity

Assessment of teratogenicity:

The chemical structure does not suggest a specific alert for such an effect.

### Other relevant toxicity information

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Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:

Acutely toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. The product has not been tested. The statement has been derived from the properties of the individual components.

### Mobility

Assessment transport between environmental compartments:

The substance will not evaporate into the atmosphere from the water surface.

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

The product has not been tested. The statement has been derived from the properties of the individual components.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Not readily biodegradable (by OECD criteria).

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

### Bioaccumulation potential

Bioaccumulation potential:

Because of the product's consistency and low water solubility, bioavailability is improbable.

### Additional information

Other ecotoxicological advice:

Do not allow to enter soil, waterways or waste water channels.

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## 13. Disposal Considerations

Observe national and local legal requirements.

Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

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## 14. Transport Information

### Domestic transport:

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHS  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(contains EPOXY RESIN)

### Further information

Hazchem Code:3Z  
IERG Number:47

### Sea transport

#### IMDG

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHS  
Marine pollutant: YES  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(contains EPOXY RESIN)

### Air transport

#### IATA/ICAO

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHS  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(contains EPOXY RESIN)

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## 15. Regulatory Information

Poisons Schedule: Not scheduled

### Regulations of the European union (Labelling)

as in Annex I of Directive 67/548/EEC:

Hazard symbol(s)  
Xi Irritant.  
N Dangerous for the environment.

R-phrase(s)

