



Safety Data Sheet according to (EC) No 1907/2006 - ISO 11014-1

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UniBond Repair All Purpose 5 Min

sds no. : 256595

V002.0

Revision: 09.01.2010

printing date: 07.02.2012

1. Identification of the substance/preparation and of the company/undertaking

Trade name:

UniBond Repair All Purpose 5 Min Part A

Intended use:

2-Component epoxy adhesive

Company name:

Henkel Limited
Apollo Court, 2 Bishop Square Business Park
Hatfield, Hertfordshire AL10 9EY

Great Britain

Phone: +44 (0)1606 593933

Fax-no.: +44 (0)1606 863762

E-mail address of person responsible for Safety Data Sheet:

ua-productsafety.uk@uk.henkel.com

Emergency information:

24 Hours Emergency Tel: +44 0 8701 906777 - For further general health & safety, technical and practical advice on this product, please call +44 (0) 1606 593933 or write to: Technical Services; Henkel Limited; Road 5; Winsford Industrial Estate; Winsford; Cheshire; CW7 3QY- Email: technical.services@henkel.co.uk

2. Hazards identification

The product is classified as hazardous within the meaning of the valid (EU) preparation directive.

Xi - Irritant

N - Dangerous for the environment

R36/38 Irritating to eyes and skin.

R43 May cause sensitisation by skin contact.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persons suffering from allergic reactions to epoxides should avoid contact with the product.

3. Composition / information on ingredients

General chemical description:

Reaction resin

Base substances of preparation:

Epoxy resin

Declaration of ingredients according to (EC) No 1907/2006:

Hazardous components CAS-No.	EINECS	content	Classification
Bisphenol-A epichlorhydrin resin MW ≤ 700 25068-38-6	500-033-5	> 85 %	Xi - Irritant; R36/38 R43 N - Dangerous for the environment; R51, R53

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.

Substances without classification may have community workplace exposure limits available.

4. First aid measures

General information:

In case of adverse health effects seek medical advice.

Inhalation:

Move to fresh air.

Skin contact:

Rinse with running water and soap. Skin care. Remove contaminated clothes immediately.

Eye contact:

Rinse immediately with plenty of running water, seek medical advice from a specialist.

Ingestion:

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

5. Fire fighting measures

Suitable extinguishing media:

carbon dioxide, foam, powder, water spray jet, fine water spray

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

Special protection equipment for firefighters:

Wear protective equipment.

Wear self-contained breathing apparatus.

Special hazards by the product itself:

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO₂) can be released.

6. Accidental release measures

Personal precautions:

Ensure adequate ventilation.

Avoid contact with skin and eyes.

Environmental precautions:

Do not empty into drains / surface water / ground water.

Clean-up methods:

Remove with liquid-absorbing material (sand, peat, sawdust).

Dispose of contaminated material as waste according to item 13.

7. Handling and storage

Handling:

Ensure that workrooms are adequately ventilated.

Avoid skin and eye contact.

Storage:

Store in sealed original container.
Keep container in a well ventilated place.
Store in a cool, dry place.
Temperatures between + 5 °C and + 40 °C
Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

8. Exposure controls / personal protection

Components with specific control parameters for workplace:

none

Engineering controls:

No further information, see section 7.

Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.

Hand protection:

For shorttime contact (e.g. as protection against splashes) protective gloves made from nitrile rubber are recommended according to EN 374.
material thickness > 0.4 mm
Perforation time > 240 minutes
In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:

Protective goggles

Skin protection:

Suitable protective clothing

General protection and hygiene measures:

Avoid contact with skin and eyes. Remove soiled or soaked clothing immediately. Wash off any contamination that gets onto the skin with plenty of water and soap, skin care.
Do not eat, drink or smoke while working.
Wash hands before work breaks and after finishing work.

9. Physical and chemical properties

General characteristics:

Appearance	liquid Viscous clear
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Phys./chem. properties:

pH-value (20 °C (68 °F))	6 - 7
Density (20 °C (68 °F))	1,10 - 1,18 g/cm ³
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	low solubility

10. Stability and reactivity

Conditions to avoid:

No decomposition if used according to specifications.

Materials to avoid:

Reacts with amines, alcohols, acids and alkalis.
Reaction with oxidants.

Hazardous decomposition products:

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO₂) are released.

11. Toxicological information

General toxicological information:

Persons suffering from allergic reactions to epoxides should avoid contact with the product.

Skin irritation:

Primary skin irritation: irritating

Eye irritation:

Primary eye irritation: irritating

Sensitizing:

Cross-reactions with other epoxide compounds possible.
Dermal sensitization: sensitizing.

12. Ecological information

Persistence and degradability:

Ultimate biodegradation:

The product is poorly biodegradable.

Ecotoxicity:

Hazardous components CAS-No.	Species	Exposure time	Value type	Value
Bisphenol-A epichlorhydrin resin MW <= 700 25068-38-6	Trout family (Salmonidae)	96 h	LC 50	3,6 mg/l

General ecological information:

Do not empty into drains, soil or bodies of water.

13. Disposal considerations

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.
After curing with component B :
Can be added to household waste in small quantities.
The valid EEC waste code numbers are not product-related but are largely source-related. These can be requested from the manufacturer.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

14. Transport information

Road transport ADR:

Class:	9
Packaging group:	III
Classification code:	M6
Hazard ident. number:	90
UN no.:	3082
Label:	9
Technical name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Railroad transport RID:

Class:	9
Packaging group:	III
Classification code:	M6
Hazard ident. number:	90
UN no.:	3082
Label:	9
Technical name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Inland water transport ADN:

Class:	9
Packaging group:	III
Classification code:	M6
Hazard ident. number:	
UN no.:	3082
Label:	9
Technical name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Marine transport IMDG:

Class:	9
Packaging group:	III
UN no.:	3082
Label:	9
EmS:	F-A ,S-F
Seawater pollutant:	
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Air transport IATA:

Class:	9
Packaging group:	III
Packaging instructions (passenger)	914
Packaging instructions (cargo)	914
UN no.:	3082
Label:	9
Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s.

15. Regulations - classification and identification

Indication of danger:

Xi - Irritant

N - Dangerous for the environment



Contains

Bisphenol-A epichlorhydrin resin MW <= 700

Risk phrases:

R36/38 Irritating to eyes and skin.

R43 May cause sensitisation by skin contact.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

S2 Keep out of the reach of children.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S29 Do not empty into drains.

S37 Wear suitable gloves.

S46 If swallowed, seek medical advice immediately and show this container or label.

Additional labeling:

Contains epoxy constituents. See information supplied by the manufacturer.

16. Other information

The labelling of the product is indicated in Section 15. The full text of the R-phrases indicated by codes in this safety data sheet are as follows:

R36/38 Irritating to eyes and skin.

R43 May cause sensitisation by skin contact.

R51 Toxic to aquatic organisms.

R53 May cause long-term adverse effects in the aquatic environment.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.



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1. Identification of the substance/preparation and of the company/undertaking

Trade name:

UniBond Repair All Purpose 5 Min Part B

Intended use:

2-Component epoxy adhesive

Company name:

Henkel Limited
Apollo Court, 2 Bishop Square Business Park
Hatfield, Hertfordshire AL10 9EY

Great Britain

Phone: +44 (0)1606 593933

Fax-no.: +44 (0)1606 863762

E-mail address of person responsible for Safety Data Sheet:

ua-productsafety.uk@uk.henkel.com

Emergency information:

24 Hours Emergency Tel: +44 0 8701 906777 - For further general health & safety, technical and practical advice on this product, please call +44 (0) 1606 593933 or write to: Technical Services; Henkel Limited; Road 5; Winsford Industrial Estate; Winsford; Cheshire; CW7 3QY- Email: technical.services@henkel.co.uk

2. Hazards identification

The product is not hazardous within the meaning of the valid (EU) preparation directive.
Persons suffering from allergic reactions to amines should avoid contact with the product.

3. Composition / information on ingredients

General chemical description:

Hardener

Base substances of preparation:

Polymercaptan

Amines

Declaration of ingredients according to (EC) No 1907/2006:

Hazardous components CAS-No.	EINECS	content	Classification
1,3-bis[3-(dimethylamino)propyl]urea 52338-87-1	257-861-2	>= 10 - <= 15 %	Xi - Irritant; R36/38

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.

Substances without classification may have community workplace exposure limits available.

4. First aid measures

General information:

In case of adverse health effects seek medical advice.

Inhalation:

Move to fresh air.

Skin contact:

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.

Eye contact:

Rinse immediately with plenty of running water, seek medical advice from a specialist.

Ingestion:

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

5. Fire fighting measures

Suitable extinguishing media:

carbon dioxide, foam, powder, water spray jet, fine water spray

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

Special protection equipment for firefighters:

Wear protective equipment.

Wear self-contained breathing apparatus.

Special hazards by the product itself:

In the event of a fire, carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x) can be released.

6. Accidental release measures

Personal precautions:

Ensure adequate ventilation.

Avoid contact with skin and eyes.

Environmental precautions:

Do not empty into drains / surface water / ground water.

Clean-up methods:

Remove with liquid-absorbing material (sand, peat, sawdust).

Dispose of contaminated material as waste according to item 13.

7. Handling and storage

Handling:

Ensure that workrooms are adequately ventilated.

Avoid skin and eye contact.

Storage:

Store in sealed original container.
Keep container in a well ventilated place.
Store in a cool, dry place.
Temperatures between + 5 °C and + 40 °C
Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

8. Exposure controls / personal protection

Components with specific control parameters for workplace:

none

Engineering controls:

No further information, see section 7.

Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.

Hand protection:

For shorttime contact (e.g. as protection against splashes) protective gloves made from nitrile rubber are recommended according to EN 374.
material thickness > 0.4 mm
Perforation time > 240 minutes
In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:

Protective goggles

Skin protection:

Suitable protective clothing

General protection and hygiene measures:

Avoid contact with skin and eyes. Remove soiled or soaked clothing immediately. Wash off any contamination that gets onto the skin with plenty of water and soap, skin care.
Do not eat, drink or smoke while working.
Wash hands before work breaks and after finishing work.

9. Physical and chemical properties

General characteristics:

Appearance	liquid Viscous clear
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Phys./chem. properties:

pH-value (20 °C (68 °F))	3 - 5
Density (20 °C (68 °F))	1,00 - 1,10 g/cm3
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Dispersible

10. Stability and reactivity

Conditions to avoid:

No decomposition if used according to specifications.

Materials to avoid:

Reacts with acids, with strong oxidants and epoxides.

Hazardous decomposition products:

In the event of a fire, carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x) are released.

11. Toxicological information

General toxicological information:

Persons suffering from allergic reactions to amines should avoid contact with the product.

Skin irritation:

Primary skin irritation: slightly irritating, does not require labeling

Eye irritation:

Primary eye irritation: slightly irritating, does not require labeling

Sensitizing:

Cross-reactions with other amine compounds are possible.

12. Ecological information

Persistence and degradability:

Ultimate biodegradation:

The product is poorly biodegradable.

General ecological information:

Do not empty into drains, soil or bodies of water.

13. Disposal considerations

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

After curing with component A :

Can be added to household waste in small quantities.

The valid EEC waste code numbers are not product-related but are largely source-related. These can be requested from the manufacturer.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

14. Transport information

Road transport ADR:

Not dangerous goods

Railroad transport RID:

Not dangerous goods

Inland water transport ADN:

Not dangerous goods

Marine transport IMDG:

Not dangerous goods

Air transport IATA:

Class:	9
Packaging group:	
Packaging instructions (passenger)	906
Packaging instructions (cargo)	906
UN no.:	3334
Label:	9
Proper shipping name:	Aviation regulated liquid, n.o.s.

15. Regulations - classification and identification

Not subject of the identification regulations.

16. Other information

The labelling of the product is indicated in Section 15. The full text of the R-phrases indicated by codes in this safety data sheet are as follows:

R36/38 Irritating to eyes and skin.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.