

SAFETY DATA SHEET BONDCOAT UF (HARDENER COMPONENT)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name BONDCOAT UF (HARDENER COMPONENT)

Product number TM11, TM12, TM58

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Epoxy Resin (Hardener Component)

1.3. Details of the supplier of the safety data sheet

Supplier PAREX Ltd

Holly Lane Industrial Estate

Atherstone Warwickshire CV9 2QZ

Tel: +44 (0)1827 711755 (Mon-Fri 08:30-16:30) Fax: +44 (0)1827 711330 sds@parex.co.uk

1.4. Emergency telephone number

Emergency telephone + 44 (0)1827 711755 (Mon-Fri 08:30 - 16:30)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Corr. 1C - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317

Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Pictogram







Signal word

Danger

Hazard statements H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

BONDCOAT UF (HARDENER COMPONENT)

Precautionary statements P260 Do not breathe vapour/ spray.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/ doctor.

P405 Store locked up.

P501 Dispose of contents/ container in accordance with national regulations.

Contains TOFA-DimerFA-TETA PAA, 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL, 3-

AMINOPROPYLDIMETHYLAMINE, 3-AMINOPROPYLTRIETHOXYSILANE

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

TOFA-DimerFA-TETA PAA 25 - 50% CAS number: 68082-29-1 EC number: 500-191-5

REACH registration number: 01-

2119972320-44-0000

Classification

Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411

BENZYL ALCOHOL 10 - 25%

CAS number: 100-51-6 EC number: 202-859-9 REACH registration number: 01-

2119492630-38-0000

Classification

Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Irrit. 2 - H319

3-AMINOPROPYLDIMETHYLAMINE 2.5 - 10%

CAS number: 109-55-7 FC number: 203-680-9 REACH registration number: 01-

2119486842-27-0000

Classification

Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317

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2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

2.5 - 10%

CAS number: 90-72-2 EC number: 202-013-9 REACH registration number: 01-

2119560597-27-0000

Classification

Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319

3-AMINOPROPYLTRIETHOXYSILANE

<=2.5%

CAS number: 919-30-2 EC number: 213-048-4 REACH registration number: 01-

2119480479-24-0000

Classification

Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information While rinsing, remove clothing not adhering to the affected area.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for

breathing. Get medical attention.

Ingestion DO NOT induce vomiting. Get medical attention immediately. Promptly get affected person to

drink large volumes of water to dilute the swallowed chemical.

Skin contact Wash skin thoroughly with soap and water or use an approved skin cleanser. Get medical

attention if symptoms are severe or persist after washing.

Eye contact Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and

open eyes wide apart. Get medical attention immediately. Continue to rinse.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue.

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

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Carbon dioxide or dry powder. Water jet. Fight larger fires with water jet or alcohol-resistant

foam.

Unsuitable extinguishing

media

Do not use water with a full water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion

products

Toxic gases or vapours.

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5.3. Advice for firefighters

Protective actions during

firefighting

Dispose of fire debris and contaminated fire fighting water in accordance with official

regulations.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautionsWear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with non-combustible, absorbent material. Collect spillage. Containers with

collected spillage must be properly labelled with correct contents and hazard symbol. Dispose of contents/container in accordance with national regulations. Ensure adequate ventilation.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Wear protective clothing as described in Section 8 of this safety data sheet. Observe good

chemical hygiene practices.

Advice on general occupational hygiene

Wash at the end of each work shift and before eating, smoking and using the toilet.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away

from food, drink and animal feeding stuffs. Bund storage facilities to prevent soil and water

pollution in the event of spillage.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment







Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Ensure that an eye wash station is close at hand. Wear tight-fitting, chemical splash goggles

or face shield.

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Hand protection Wear protective gloves. The most suitable glove should be chosen in consultation with the

glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Wear protective gloves made of the following material: Nitrile rubber. Viton

rubber (fluoro rubber). Polyvinyl chloride (PVC). Thickness: At least 0.5 mm

Other skin and body

protection

Wear protective clothing.

Hygiene measures Wash after use and before eating, smoking and using the toilet.

Respiratory protection Combination filter A-P2

Environmental exposure

controls

Keep container tightly sealed when not in use. Store in a demarcated bunded area to prevent

release to drains and/or watercourses.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Colour Dark yellow.

Odour Amine.

Melting point Not determined.

Initial boiling point and range >200C at 760mm Hg

Flash point 76°C

Upper/lower flammability or

explosive limits

Lower flammable/explosive limit: 1.3 Vol % Upper flammable/explosive limit: 13.0 Vol %

Bulk density 1.02 kg/l

Solubility(ies) Immiscible with water.

Auto-ignition temperature 335°C

Viscosity 1000 - 2000 mPa s @ 25°C

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition

products

Thermal decomposition or combustion products may include the following substances: Toxic

and/or corrosive gases and/or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effectsCauses severe skin burns and eye damage. May cause an allergic skin reaction.

BONDCOAT UF (HARDENER COMPONENT)

Acute toxicity - inhalation

ATE inhalation (gases ppm) 25,714.29

ATE inhalation (vapours mg/l) 62.86

ATE inhalation (dusts/mists

8.57

mg/l)

Skin corrosion/irritation

Skin corrosion/irritation Causes severe burns. May cause an allergic skin reaction.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

Skin sensitisation

Skin sensitisation May cause an allergic skin reaction.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

SECTION 12: Ecological Information

Ecotoxicity Toxic to aquatic life.

12.1. Toxicity

Toxicity Toxic to aquatic organisms.

12.2. Persistence and degradability

Persistence and degradability No data available.

Biodegradation No information available.

12.3. Bioaccumulative potential

Bioaccumulative potential No information available.

12.4. Mobility in soil

Mobility No data available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

Not relevant.

assessment

12.6. Other adverse effects

Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Residues and empty containers should be taken care of as hazardous waste according to

local and national provisions.

Disposal methods Collect and place in suitable waste disposal containers and seal securely. Dispose of

contents/container in accordance with national regulations.

Waste class EWC 08 00 00 EWC 08 02 00 EWC 08 02 99

SECTION 14: Transport information

14.1. UN number

BONDCOAT UF (HARDENER COMPONENT)

UN No. (ADR/RID) 2735 UN No. (IMDG) 2735 UN No. (ADN) 2735

14.2. UN proper shipping name

Proper shipping name (ADR/RID)

AMINES, LIQUID, CORROSIVE, N.O.S. (N,N-DIMETHYL-1,3-DIAMINOPROPANE, TOFA-

DIMERFA-TETA PAA), ENVIRONMENTALLY HAZARDOUS

Proper shipping name (IMDG) AMINES, LIQUID, CORROSIVE, N.O.S. (N,N-DIMETHYL-1,3-DIAMINOPROPANE, TOFA-

DIMERFA-TETA PAA), MARINE POLLUTANT

Proper shipping name (ADN) AMINES, LIQUID, CORROSIVE, N.O.S. (N,N-DIMETHYL-1,3-DIAMINOPROPANE, TOFA-

DIMERFA-TETA PAA), ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR/RID class

ADR/RID classification code C7

ADR/RID label 8

IMDG class 8

ICAO class/division 8

ADN class 8

Transport labels



14.4. Packing group

ADR/RID packing group III
IMDG packing group III
ADN packing group III
ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS F-A, S-B

ADR transport category 3

Emergency Action Code 2X

Hazard Identification Number 80

(ADR/RID)

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

BONDCOAT UF (HARDENER COMPONENT)

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16

December 2008 on classification, labelling and packaging of substances and mixtures (as

amended).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of

Chemicals (REACH) (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by QSHE Manager

Revision date 24/05/2018

Supersedes date 02/05/2018

SDS number 20946

Hazard statements in full H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H411 Toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.