

Alfix C2 Epoxy Grout – Part B

SECTION 1:

Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier: Alfix C2 Epoxy Grout – Part B

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

Part B of 2-part acid resistant epoxy grout for grouting of all ceramic surfaces, such as tiles, mosaics, and quarry tiles.

1.3 Details of the supplier of the safety data sheet:

Alfix A/S
H.C. Ørsteds Vej 11-13
DK-6000 Kolding
Tel.: +45 75 52 90 11
Fax: +45 75 50 40 11
e-mail: alfix@alfix.dk
Contact person: Allan Nielsen / Frank Pingel

1.4 Emergency telephone number

+45 75 52 90 11 (Alfix)

SECTION 2:

Hazards identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 [CLP]

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

Skin Corr. 1B ; H314 - Skin corrosion/irritation : Category 1B ; Causes severe skin burns and eye damage.

Met. Corr. 1 ; H290 - Corrosive to metals : Category 1 ; May be corrosive to metals.

Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

2.2 Label elements

Labelling according to EEC regulations 67/548/EEC and 99/45/EEC

Hazard symbol:



Corrosion (GHS05) · Exclamation mark (GHS07)

Signal word

Danger

Hazard components for labelling

3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE ; CAS No. : 2855-13-2

3,6-DIAZAOCANE-1,8-DIAMINE ; CAS No. : 112-24-3

Hazard statements

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P260 Do not breathe vapours/spray.

P280 Wear protective gloves and eye/face protection.

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 or a doctor.

P302+P352 IF ON SKIN: Wash with plenty of water/...

P501 Dispose of contents/container according with local regulations.

2.3 Other hazards:

None known.

PBT/vPvB: The substances are not PBT/vPvB according to the criteria in Annex XIII.

SECTION 3:

Composition/information on ingredients

3.1 Substances: -

Mixtures:

Substances: - Mixtures:	CAS-No.	EC-No.	Index-No.	Con-tent-%	REACH reg.No	Classification
3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE	2855-13-2	220-666-8	-	5-10%	-	Skin Corr. 1B; H314 Acute Tox. 4; H312 Skin Sens. 1; H317 Aquatic Chronic 3; H412
BENZYLALCOHOL	100-51-6	202-859-9;	-	5-25%	01-2119492630-38	Acute Tox. 4; H302 Acute Tox. 4; H332
3,6-DIAZAOCANE-1,8-DIAMINE	112-24-3	203-950-6	-	1-5%		Skin Corr. 1B; H314 Acute Tox. 4; H312 Skin Sens. 1; H317 Aquatic Chronic 3; H412

CLP*: Regulation (EC) No 1272/2008 of the European Parliament and of the Council
For the full text of H-phrases see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures:

General information

Remove contaminated, saturated clothing immediately. If medical advice is needed, have product container, label or safety data sheet at hand.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. Consult a physician in case of symptoms.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. In case of skin reactions, consult a physician.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest.

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

No information available.

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

None

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media
Carbon dioxide (CO₂) Extinguishing powder Water spray alcohol resistant foam
Unsuitable extinguishing media
High power water jet

5.2 Special hazards arising from the substance or mixture:

Hazardous combustion products
Carbon monoxide Carbon dioxide (CO₂) Nitrogen oxides (NO_x) Ammonia (NH₃)

5.3 Advice for firefighters:

Do not allow run-off from fire-fighting to enter drains or water courses.
Special protective equipment for firefighters
In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protection equipment. Avoid contact with skin and eyes. Do not breathe vapour.

6.2 Environmental precautions:

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and clearing up:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

6.4 References to other sections: See above.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Protective measures
Use only in well-ventilated areas. Avoid contact with skin and eyes.
Measures to prevent fire
No special fire protection measures are necessary.
Specific requirements or handling rules

For mixing of both components: Please refer also to material safety data sheet of part A.

Mixing

ratio and additional information please see technical data sheet. Do not leave mixed material in the

container - curing can lead to excessive heat.

7.2 Conditions for safe storage, including any incompatibilities:

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage

Storage class (TRGS 510) : 8B

Do not store together with

Food and feedingstuffs

7.3 Specific end use(s):

Hardener for 2-part system based on epoxy resins - Observe technical data sheet.

SECTION 8:

Exposure controls/personal protection

8.1 Control parameters:

None.

8.2 Exposure controls:

Personal protection equipment

Eye/face protection

goggles or Face protection shield - DIN EN 166

Skin protection

Hand protection

Wear suitable gloves. - DIN EN 374

Suitable material : NBR (Nitrile rubber) Butyl caoutchouc (butyl rubber) special laminates (0,75 mm)

-

Unsuitable material: Leather.

Breakthrough time (maximum wearing time) : The permeation time (max. usage time) of the gloves depends on material and thickness as well as temperature. The data are available from the manufacturer of the specific gloves. The permeation time for the mentioned glove materials is in general > 480 min.

Recommended glove articles : Appropriate gloves are available e.g. from Mapa-Professionel (F-92205 Neuilly sur Seine - France): ULTRIL® 377 (NBR - 1,3 mm) -

ULTRANITRIL® (491, 492, 494 oder 495 - NBR - 0,55mm) - CHEM-PLY® (0,75 mm) -

Remark : Gloves have to be changed and disposed immediately after strong pollution or damage, with splashes after the expiry of the specified maximum wearing time, but no later than the end of work shift.

Body protection

Wear suitable protective clothing.

Respiratory protection

Breathing protection equipment required in inadequately ventilated places and during spraying.

Suitable respiratory protection apparatus

For short term use: Combination filtering device (EN 14387) combination filter - type A-P2 (for gases and vapours of organic compounds, boiling point above 65 °C / particles, colour code: brown / white)

General health and safety measures

The usual precautionary measures for the handling of chemicals have to be observed.

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Remove contaminated, saturated clothing immediately. Avoid contact with skin, eyes and clothes.

SECTION 9:

Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance: Pasty.

Odour: -

Odour threshold: -

pH: -

Melting point/freezing point: -

Initial boiling point and boiling range: -

Flash point:-

Evaporation rate: -

Flammability (solid, gas): -

Upper/lower flammability or explosive limits: -

Vapour pressure: -

Vapour density: -

Relative density: -

Solubility(ies): Soluble

Partition coefficient: n-octanol/water: -

Auto-ignition temperature: -

Decomposition temperature: -

Viscosity: -

Explosive properties: -

**SECTION 10:
Stability and reactivity**

Oxidising properties: -

9.2 Other information: The product is not self-igniting. The product is not explosive.

10.1 Reactivity:

After mixing the two components of the material cures.

10.2 Chemical stability:

Product is stable under normal conditions.

10.3 Possibility of hazardous reactions:

No information available.

10.4 Conditions to avoid:

None, if handled according to order.

10.5 Incompatible materials:

Exothermic reaction with: Acid

10.6 Hazardous decomposition products:

Gases/vapours, corrosive Ammonia.

**SECTION 11:
Toxicological information****11.1 Information on toxicological effects:**

Assessment/classification

Health hazards

Acute toxicity (oral) : No - Based on available data, the classification criteria are not met.

Acute toxicity (dermal) : No - Based on available data, the classification criteria are not met.

Acute toxicity (inhalation) : No - Based on available data, the classification criteria are not met.

Skin Corrosion / Irritation : Category 1B - Causes severe skin burns and eye damage.

Serious eye damage / eye irritation : Category 1 - Causes serious eye damage.

Sensitisation (Respiratory) : No - Based on available data, the classification criteria are not met.

Sensitisation (Skin) : Category 1 - May cause an allergic skin reaction.

Germ cell mutagenicity : No - Based on available data, the classification criteria are not met.

Carcinogenicity : No - Based on available data, the classification criteria are not met.

Reproductive toxicity : No - Based on available data, the classification criteria are not met.

Reproductive toxicity, Effects on or via lactation : No - Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure) : No - Based on available data, the classification criteria are not met.

Specific target organ toxicity (Respiratory tract irritation) : No - Based on available data, the classification criteria are not met.

Specific target organ toxicity (Narcosis) : No - Based on available data, the classification criteria are not met.

Specific target organ toxicity (Repeated exposure) : No - Based on available data, the classification criteria are not met.

Aspiration hazard : No - Based on available data, the classification criteria are not met.

Additional information

People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation.

**SECTION 12:
Ecological information****12.1 Toxicity:**

Aquatic toxicity

The mixture has been checked following the conventional method for eco-toxicological properties. If classified as eco-toxic see section 2 for details.

12.2 Persistence and degradability

No available data.

12.3 Bioaccumulative potential:

No available data.

12.4 Mobility in soil:

No available data.

12.5 Results of PBT and vPvB assessment:

The substances are not PBT/vPvB according to the criteria in Annex XIII.

12.6 Other adverse effects:

No available data.

12.7 Additional ecotoxicological information

Do not allow uncontrolled discharge of product into the environment.

**SECTION 13:
Disposal considerations****13.1 Waste treatment methods:**

Product/Packaging disposal

Uncured product: Special waste.

Cured product, i.e. after mixing with adequate amount of binder / part A: household garbage or trade garbage - observe local regulations.

Waste codes/waste designations according to EWC/AVV

08 04 09*: Waste adhesives and sealants containing organic solvents or other dangerous substances.

Waste treatment options

Appropriate disposal / Package

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

13.2 EWC-code:

08 04 09 Waste adhesives and sealants containing organic solvents or other dangerous substances.

**SECTION 14:
Transport information**

The product is considered as dangerous goods.

14.1 UN-number: 2735**14.2 UN proper shipping name:** -**14.3 Transport hazard class(es):**

Land transport (ADR/RID)

Class(es) : 8
Classification code : C7
Hazard identification number
(Kemler No.) : 80
Tunnel restriction code : E
Special provisions : LQ 7 · LQ 5 I · E 1
Hazard label(s) : 8
Sea transport (IMDG)
Class(es) : 8
EmS-No. : F-A / S-B
Special provisions : LQ 5 I · E 1
Hazard label(s) : 8
Air transport (ICAO-TI / IATA-DGR)
Class(es) : 8
Special provisions : E 1
Hazard label(s) : 8

14.4 Packing group: III**14.5 Environmental hazards:**

Land transport (ADR/RID) : No
Sea transport (IMDG) : No
Air transport (ICAO-TI / IATA-DGR) : No

14.6 Special precautions for user: None**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not relevant**SECTION 15:
Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

National regulations
Observe in addition any national regulations!
Restrictions of occupation
Please consider possible restrictions for the protection of pregnant and breastfeeding women at work (Directive 92/85/EC) and for the protection of young people at work (Directive 94/33/EC).
Water hazard class (WGK)
Class : 2 (Hazardous to water) Classification according to VwVwS
Other regulations, restrictions and prohibition regulations
Betriebssicherheitsverordnung (BetrSichV)
No flammable liquid according to BetrSichV.

15.2 Chemical safety assessment:

No CSA

**SECTION 16:
Other information****The given R-phrase and H-phrase in chapter 2 and 3 are to read as follows:**

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H412 Harmful to aquatic life with long lasting effects.