

Monday, November 14, 2016

To Whom it may concern
ADIT Ltd
Moshav Bne Reem
79840 Israel

To Whom it may concern.

Ref:- Chemfix Products Ltd (UK) as the manufacturer of ADIT Chemical Anchors

This letter confirms the relationship between Chemfix Products Ltd, as a manufacturer of own label chemical anchoring products in cartridges, wholly produced in the Dewsbury factory and exported worldwide.

ADIT Ltd, 79840 Israel is the customer of Chemfix and is supplied with labelled product under the ADIT "Chemical Pro" branding. Each ADIT product pertains to the Chemfix range as follows:

"Adit AC500Pro" is the same resin and cartridge as "Chemfix Pure Epoxy"

"Adit Chemfix500Pro" is the same resin and cartridge as "Chemfix 500"

"AC100Pro" is the same resin and cartridge as "Chemfix CH+"

"CT50Pro" is the same resin and cartridge as "Chemfix PESF"

Yours sincerely



Urs Joos
Commercial & Marketing Director
Chemfix Products Limited

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

1.1. Product identifier

Product name: CHEMFIX 1:1 PURE EPOXY

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

Use of substance / mixture: A Chemical anchoring application

1.3. Details of the supplier of the safety data sheet

Company name: Chemfix Products Limited

Mill Street East

Dewsbury

West Yorkshire

WF12 9BQ

United Kingdom

Tel: +44 (0)1924 453886

Fax: +44 (0)1924 458995

Email: sds@chemfix.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0)1924 431679

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Aquatic Chronic 2: H411; Repr. 2: H361f; Skin Corr. 1B: H314; Skin Sens. 1: H317; -: EUH208

Most important adverse effects: Contains trimethyl hexamethylene diamine#. May produce an allergic reaction. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of damaging fertility. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: EUH208: Contains trimethyl hexamethylene diamine#. May produce an allergic reaction.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H361f: Suspected of damaging fertility.

H411: Toxic to aquatic life with long lasting effects.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion

SAFETY DATA SHEET

CHEMFIX 1:1 PURE EPOXY

Page: 2

GHS07: Exclamation mark

GHS08: Health hazard

GHS09: Environmental



Precautionary statements: P202: Do not handle until all safety precautions have been read and understood.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+352: IF ON SKIN: Wash with plenty of water/soap.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+313: IF exposed or concerned: Get medical advice/attention.

2.3. Other hazards

Other hazards: Not applicable.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|-----------|------------|-----------|--|---------|
| 500-033-5 | 25068-38-6 | - | Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411 | 20-30% |

FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE AND PHENOL

| | | | | |
|-----------|-----------|---|---|--------|
| 500-006-8 | 9003-36-5 | - | Aquatic Chronic 2: H411; Skin Irrit. 2: H315; Skin Sens. 1: H317 | 10-20% |
|-----------|-----------|---|---|--------|

4-TERT-BUTYLPHENOL#

| | | | | |
|-----------|---------|---|--|-------|
| 202-679-0 | 98-54-4 | - | Eye Dam. 1: H318; Repr. 2: H361f; Aquatic Chronic 1: H410; Skin Irrit. 2: H315 | 3-10% |
|-----------|---------|---|--|-------|

1,6-HEXANDIOLDIGLYCIDYLETHER

| | | | | |
|-----------|------------|---|--|-------|
| 240-260-4 | 16096-31-4 | - | Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 | 3-10% |
|-----------|------------|---|--|-------|

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SAFETY DATA SHEET

CHEMFIX 1:1 PURE EPOXY

Page: 3

2-PIPERAZIN-1-YLETHYLAMINE

| | | | | |
|-----------|----------|---|--|-------|
| 205-411-0 | 140-31-8 | - | Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 3: H412 | 3-10% |
|-----------|----------|---|--|-------|

1,3-BENZENEDIMETHANAMINE#

| | | | | |
|-----------|-----------|---|--|------|
| 216-032-5 | 1477-55-0 | - | Skin Corr. 1B: H314; Acute Tox. 4: H302; Acute Tox. 4: H332; Skin Sens. 1: H317; Aquatic Chronic 3: H412 | 1-3% |
|-----------|-----------|---|--|------|

TRIMETHYL HEXAMETHYLENE DIAMINE#

| | | | | |
|-----------|------------|---|--|-----|
| 247-063-2 | 25513-64-8 | - | Acute Tox. 4: H302; Aquatic Chronic 3: H412; Skin Corr. 1A: H314; Skin Sens. 1: H317 | <1% |
|-----------|------------|---|--|-----|

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: If conscious, give half a litre of water to drink immediately. Do not induce vomiting. Consult a doctor.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. If unconscious and breathing is OK, place in the recovery position. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: Causes burns.

Ingestion: No data available.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: No data available.

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

Immediate / special treatment: Show this safety data sheet to the doctor in attendance.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Dry chemical powder. Carbon dioxide. Foam.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Sealed, heated containers can pressurise leading to explosion. In combustion emits toxic fumes.

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SAFETY DATA SHEET

CHEMFIX 1:1 PURE EPOXY

Page: 4

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a suitable container. Wash the spillage site with large amounts of water.

6.4. Reference to other sections

Reference to other sections: Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Keep away from Heat and sources of ignition.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): Building and construction work (SU19).

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

Respiratory protection: Respiratory protection is recommended. Gas/vapour filter, type A: organic vapours (EN141).

Hand protection: Protective gloves. Wear solvent proof gloves. Nitrile gloves. Rubber gloves. Recommended thickness of material >0.4 mm. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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SAFETY DATA SHEET

CHEMFIX 1:1 PURE EPOXY

Page: 5

Eye protection: Safety glasses.

Skin protection: Impermeable protective clothing.

Environmental: Ensure all engineering measures mentioned in section 7 of SDS are in place.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Paste

Colour: Various

Odour: Characteristic odour

Solubility in water: Insoluble

Relative density: 1.43

VOC g/l: 0.00

9.2. Other information

Other information: Solid suspension - classified as non-flammable according to results from Test N.1 test method for readily combustible solids.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: No specific recommendations.

10.5. Incompatible materials

Materials to avoid: Oxidising agents. Acids. Amines.

10.6. Hazardous decomposition products

Haz. decomp. products: If exposed to high temperatures it will emit hazardous fumes and smoke.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}

| | | | | |
|-----|-----|------|-------|-------|
| ORL | MUS | LD50 | 15600 | mg/kg |
|-----|-----|------|-------|-------|

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SAFETY DATA SHEET

CHEMFIX 1:1 PURE EPOXY

Page: 6

| | | | | |
|-----|-----|------|-------|-------|
| ORL | RAT | LD50 | 11400 | mg/kg |
| SKN | RBT | LD50 | >20 | ml/kg |

4-TERT-BUTYLPHENOL#

| | | | | |
|------|-----|------|------|-------|
| ORAL | RAT | LD50 | 2951 | mg/kg |
|------|-----|------|------|-------|

2-PIPERAZIN-1-YLETHYLAMINE

| | | | | |
|-----|-----|------|------|-------|
| IPR | MUS | LD50 | 250 | mg/kg |
| ORL | RAT | LD50 | 2140 | µl/kg |

1,3-BENZENEDIMETHANAMINE#

| | | | | |
|---------|-----|------|-------|-------|
| DERMAL | RAT | LD50 | >2000 | mg/kg |
| ORAL | RAT | LD50 | 930 | mg/kg |
| VAPOURS | RAT | LD50 | 11 | mg/kg |

TRIMETHYL HEXAMETHYLENE DIAMINE#

| | | | | |
|------|-----|------|-----|-------|
| ORAL | RAT | LD50 | 910 | mg/kg |
|------|-----|------|-----|-------|

Relevant hazards for substance:

| Hazard | Route | Basis |
|--------------------------------|-------|-----------------------|
| Skin corrosion/irritation | DRM | Hazardous: calculated |
| Serious eye damage/irritation | OPT | Hazardous: calculated |
| Respiratory/skin sensitisation | DRM | Hazardous: calculated |
| Reproductive toxicity | -- | Hazardous: calculated |

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: Causes burns.

Ingestion: No data available.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: No data available.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

[cont...]

SAFETY DATA SHEET

CHEMFIX 1:1 PURE EPOXY

Page: 7

4-TERT-BUTYLPHENOL#

| | | | |
|---------------|----------|----|------|
| Daphnia magna | 48H EC50 | >1 | mg/l |
| FISH | 96H LC50 | >1 | mg/l |

TRIMETHYL HEXAMETHYLENE DIAMINE#

| | | | |
|---------------|----------|----|------|
| Daphnia magna | 48H EC50 | >1 | mg/l |
| Daphnia magna | 96H LC50 | >1 | mg/l |

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioaccumulation potential.

12.4. Mobility in soil

Mobility: Insoluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company. Small quantities of the product can be mixed and allowed to cure, then can be disposed as solid waste.

Waste code number: 08 04 09

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1759

14.2. UN proper shipping name

Shipping name: CORROSIVE SOLID, N.O.S.
(BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}; FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE AND PHENOL)

[cont...]

SAFETY DATA SHEET

CHEMFIX 1:1 PURE EPOXY

Page: 8

14.3. Transport hazard class(es)

Transport class: 8

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: Yes

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 2

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

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.

H361f: Suspected of damaging fertility.

H410: Very toxic to aquatic life with long lasting effects.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any

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SAFETY DATA SHEET

CHEMFIX 1:1 PURE EPOXY

Page: 9

damage resulting from handling or from contact with the above product.

ENVIRONMENTAL CARE: Please do not dispose of uncured material. If disposing please mix any waste product to its cured state.