

# ALPHA

## SAFETY DATA SHEET THIXOFIX ECO

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

#### 1.1. Product identifier

Product name THIXOFIX ECO

Product number THIXOFIX ECO

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

Identified uses Adhesive.

Uses advised against No specific uses advised against are identified.

#### 1.3. Details of the supplier of the safety data sheet

Supplier Alpha Adhesives & Sealants Ltd  
Llewellyn Close  
Sandy Lane Ind. Estate  
Stourport-on-Severn  
Worcs. UK  
DY13 9RH  
Tel: 0044(0)1299 828626  
Fax: 0044(0)1299 828666  
Email: sales@alpha-adhesives.co.uk

#### 1.4. Emergency telephone number

Emergency telephone 44 (0) 1299 828626 (Available 08.30 to 17.00)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

Human health The product is considered to be a low hazard under normal conditions of use. May be slightly irritating to skin.

Environmental The product is not expected to be hazardous to the environment.

Physicochemical When handled correctly, undamaged units represent no danger.

#### 2.2. Label elements

Hazard statements NC Not Classified

#### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

### SECTION 4: First aid measures

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### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention.
<b>Skin contact</b>	Remove affected person from source of contamination. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	May cause stomach pain or vomiting.
<b>Skin contact</b>	No specific symptoms known.
<b>Eye contact</b>	May cause temporary eye irritation.

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

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
<b>Specific treatments</b>	Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with the following media: Water spray, fog or mist. Foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemicals, sand, dolomite etc.
<b>Unsuitable extinguishing media</b>	None known.

### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours. Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).
<b>Hazardous combustion products</b>	Does not decompose when used and stored as recommended.

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Use water to keep fire exposed containers cool and disperse vapours.
<b>Special protective equipment for firefighters</b>	Use air-supplied respirator, gloves and protective goggles.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
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**For non-emergency personnel** Wear protective clothing as described in Section 8 of this safety data sheet.

**For emergency responders** Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid spilling. Wear protective gloves, eye and face protection.

**Advice on general occupational hygiene** Provide eyewash station. Good personal hygiene procedures should be implemented.

### 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. Store at temperatures above 5°C.

**Storage class** Unspecified 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

#### Occupational exposure limits

##### AMMONIA ...%

Long-term exposure limit (8-hour TWA): WEL 25 ppm 18 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 35 ppm 25 mg/m<sup>3</sup>

##### POTASSIUM HYDROXIDE SOLUTION

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### AMMONIA ...% (CAS: 1336-21-6)

##### DNEL

Industry - Dermal; Short term systemic effects: 6.8 mg/kg/day  
 Industry - Inhalation; Short term systemic effects: 47.6 mg/m<sup>3</sup>  
 Industry - Inhalation; Short term local effects: 36 mg/m<sup>3</sup>  
 Industry - Dermal; Long term systemic effects: 6.8 mg/kg/day  
 Industry - Inhalation; Long term local effects: 14 mg/m<sup>3</sup>

##### PNEC

- Fresh water; 0.0011 mg/l  
 - Marine water; 0.0011 mg/l

### 8.2. Exposure controls

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### Protective equipment



### Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

### Eye/face protection

Wear chemical splash goggles. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166.

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 6 hours.

### Other skin and body protection

Avoid contact with skin. Wear appropriate clothing to prevent skin contamination.

### Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Do not smoke in work area.

### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked.

### Thermal hazards

Contact with hot product can cause serious thermal burns.

### Environmental exposure controls

Keep container tightly sealed when not in use.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	White/off-white.
Odour	Characteristic.
Odour threshold	Not relevant.
pH	pH (concentrated solution): 9.0
Melting point	Not available.
Initial boiling point and range	100°C @ 760 mm Hg
Flash point	No information required.
Evaporation rate	Not available.
Evaporation factor	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not relevant.
Other flammability	Not available.
Vapour pressure	Not available.

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Vapour density	Not available.
Relative density	1.07 @ @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Not determined. Miscible with water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not determined.
Viscosity	8,000 - -10,000 cP @ 20°C
Explosive properties	No information available.
Explosive under the influence of a flame	No
Oxidising properties	Not applicable.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

### 9.2. Other information

Refractive index	Not relevant.
Particle size	Not available.
Molecular weight	Not available.
Volatility	Not applicable.
Saturation concentration	Not available.
Critical temperature	Not available.
Volatile organic compound	Not relevant.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not applicable. Not relevant.
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### 10.4. Conditions to avoid

Conditions to avoid	Avoid exposure to high temperatures or direct sunlight.
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### 10.5. Incompatible materials

Materials to avoid	Avoid contact with the following materials: Some metals.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours. Oxides of carbon.
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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Toxicological effects** No data recorded.

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Not determined.

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Not determined.

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Not determined.

##### Skin corrosion/irritation

**Animal data** Not determined.

**Human skin model test** Not determined.

**Extreme pH** Not applicable.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Based on available data the classification criteria are not met.

##### Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

##### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

##### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

**Genotoxicity - in vivo** Based on available data the classification criteria are not met.

##### Carcinogenicity

**Carcinogenicity** Not applicable.

##### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity - development** Does not contain any substances known to be toxic to reproduction.

##### Specific target organ toxicity - single exposure

**STOT - single exposure** Based on available data the classification criteria are not met.

**Target organs** Not relevant.

##### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Based on available data the classification criteria are not met.

**Target organs** Not relevant.

##### Aspiration hazard

**Aspiration hazard** Not relevant.

**General information** No specific health hazards known.

**Inhalation** No specific health hazards known.

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<b>Ingestion</b>	No specific health hazards known.
<b>Skin contact</b>	Skin irritation should not occur when used as recommended.
<b>Eye contact</b>	Particles in the eyes may cause irritation and smarting.
<b>Acute and chronic health hazards</b>	No specific health hazards known.
<b>Route of entry</b>	Skin and/or eye contact
<b>Target organs</b>	Not relevant.
<b>Medical symptoms</b>	No specific symptoms known.

### SECTION 12: Ecological Information

<b>Ecotoxicity</b>	The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.
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#### 12.1. Toxicity

<b>Acute toxicity - fish</b>	Not determined.
<b>Acute toxicity - aquatic invertebrates</b>	Not determined.
<b>Acute toxicity - aquatic plants</b>	Not determined.
<b>Acute toxicity - microorganisms</b>	Not determined.
<b>Acute toxicity - terrestrial</b>	Not determined.
<b>Chronic toxicity - fish early life stage</b>	Not determined.
<b>Short term toxicity - embryo and sac fry stages</b>	Not determined.
<b>Chronic toxicity - aquatic invertebrates</b>	Not determined.

#### 12.2. Persistence and degradability

<b>Persistence and degradability</b>	The product is expected to be slowly biodegradable.
<b>Phototransformation</b>	Not determined.
<b>Stability (hydrolysis)</b>	Not determined.
<b>Biodegradation</b>	Inherently biodegradable.
<b>Biological oxygen demand</b>	Not determined.
<b>Chemical oxygen demand</b>	Not determined.

#### 12.3. Bioaccumulative potential

<b>Bioaccumulative potential</b>	No data available on bioaccumulation.
<b>Partition coefficient</b>	Not available.

#### 12.4. Mobility in soil

<b>Mobility</b>	The product is partly miscible with water and may spread in the aquatic environment.
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**Adsorption/desorption coefficient** Not determined.

**Henry's law constant** Not determined.

**Surface tension** Not determined.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**General information** Dispose of waste product or used containers in accordance with local regulations

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## **SECTION 14: Transport information**

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

**Transport labels**

### 14.4. Packing group

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

### 14.6. Special precautions for user

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## **SECTION 15: Regulatory information**

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

**National regulations** The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).  
Rivers (Prevention of Pollution) Act 1961.  
Control of Substances Hazardous to Health Regulations 2002 (as amended).



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### 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).

### Guidance

CHIP for everyone HSG228.

Approved Classification and Labelling Guide (Sixth edition) L131.

### Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are known for this product.

### Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions on use are known for this product.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

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### Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 CAS: Chemical Abstracts Service.  
 DNEL: Derived No Effect Level.  
 GHS: Globally Harmonized System.  
 IATA: International Air Transport Association.  
 ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
 IMDG: International Maritime Dangerous Goods.  
 Kow: Octanol-water partition coefficient.  
 LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
 LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
 PBT: Persistent, Bioaccumulative and Toxic substance.  
 PNEC: Predicted No Effect Concentration.  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
 SVHC: Substances of Very High Concern.  
 vPvB: Very Persistent and Very Bioaccumulative.  
 IARC: International Agency for Research on Cancer.  
 MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.  
 cATpE: Converted Acute Toxicity Point Estimate.  
 BCF: Bioconcentration Factor.  
 BOD: Biochemical Oxygen Demand.  
 EC<sub>50</sub>: 50% of maximal Effective Concentration.  
 LOAEC: Lowest Observed Adverse Effect Concentration.  
 LOAEL: Lowest Observed Adverse Effect Level.  
 NOAEC: No Observed Adverse Effect Concentration.  
 NOAEL: No Observed Adverse Effect Level.  
 NOEC: No Observed Effect Concentration.  
 LOEC: Lowest Observed Effect Concentration.  
 DMEL: Derived Minimal Effect Level.  
 UN: United Nations.  
 IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).

### Key literature references and sources for data

Dangerous Properties of Industrial Materials Report, N.Sax et.al.

### Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

### Revision date

19/05/2016

### Revision

5

### Risk phrases in full

Not classified.  
 R22 Harmful if swallowed.  
 R34 Causes burns.  
 R35 Causes severe burns.  
 R37 Irritating to respiratory system.  
 R50 Very toxic to aquatic organisms.

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.