

Fast Eco Epoxy Activator



**Professional
EPOXY COATINGS**

Safety Data Sheet

According to 1907/2006/EC (REACH) and 1272/2008/EC (CLP)

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

1.1. Product identifier

Material Name: Fast Eco Epoxy Activator
Product code: PME_AF2

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

1.2.1. Relevant identified uses

Use of the substance/mixture: Liquid curing agent for epoxy resin

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Professional Epoxy Coatings
Old Cooperage Yard
Gatebeck
KENDAL
LA8 0HW
UNITED KINGDOM

Telephone: +44 (0)1539 267 171
Email: info@pecepoxy.co.uk

1.4. Emergency telephone number

+44 1865 407 333 – English speaking (24 hours, 7 days)

2. Hazards identification

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 (CLP).

Serious eye damage, category 1.
Skin corrosion, category 1B.
Skin sensitisation, category 1.
Acute toxicity (oral), category 4.
Acute toxicity (inhalation), category 4.
Reproductive toxicity, category 1B.
Chronic aquatic hazard, category 3.

Hazard-determining components of labelling:

Benzyl Alcohol
Trimethylhexamethylenediamine
Bisphenol A

2.2. Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H302+H332 Harmful if swallowed or if inhaled.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H360F May damage fertility.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P280 Wear protective gloves/clothing and eye/face protection.
 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.
 P308+P313 IF exposed or concerned: Get medical advice/attention.

2.3. Other hazards

None known

3. Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Identification	Name	Classification according to Regulation (EC) No. 1278/2008 (CLP)	Weight %
CAS number: 100-51-6	Benzyl Alcohol	Oral Acute Tox. 4; H302 Inhal. Acute Tox. 4; H332	40-50
CAS number: 25620-58-0	Trimethylhexamethylenediamine	Oral Acute Tox. 4; H302 Skin Corr. 1B; H314 Skin Sens. 1; H317 Aquatic Chronic 3; H412	40-50
CAS number: 80-05-7	Bisphenol A	Skin Sens. 1; H317 Eye Dam. 1; H318 Repr. 1B; H360F STOT SE 3; H335	10-12.5

Additional information: None

Full Text of H and EUH statements: See section 16

4. First aid measures

4.1. Description of first aid measures

General information: None.

After inhalation:

Move exposed individual to fresh air.

Loosen clothing as necessary and position individual in a comfortable position.
Maintain an unobstructed airway.
Immediately call a POISON CONTROL CENTRE or seek medical attention.

After skin contact:

Immediately remove all contaminated clothing.
Wash affected area with soap and water.
Immediately call a POISON CONTROL CENTRE or seek medical attention.

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.
Remove contact lens(es) if able to do so during rinsing.
Immediately call a POISON CONTROL CENTRE or seek medical attention.
Protect uninjured eye.

After swallowing:

Immediately call a POISON CONTROL CENTRE or seek medical attention.
Rinse mouth.
Give nothing to eat or drink.
Do not induce vomiting.

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

None

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

No additional information.

5. Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media: Spray water, Carbon Dioxide (CO₂).
Unsuitable extinguishing media: Not determined or not applicable.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapours.

5.3. Advice for firefighters

Use suitable breathing apparatus.
Move undamaged containers away from immediate hazard area if it can be done safely.
Collect contaminated fire extinguishing water separately – this must not be discharged into drains.

6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation.
Ensure air handling systems are operational.
Wear protective eye wear, gloves and clothing.

6.2. Environmental precautions

Should not be released into the environment.
Prevent from reaching drains, sewer or waterway.

6.3. Methods and material for containment and cleaning up

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders).
Dispose of contents / container in accordance with local regulations.

6.4. Reference to other sections

None

7. Handling and storage

7.1. Precautions for safe handling

Do not eat, drink, smoke or use personal products when handling chemical substances.
 Avoid breathing mist or vapour.
 Use only with adequate ventilation.
 Avoid contact with skin and eyes.
 Remove contaminated clothing before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, well-ventilated area.
 Store away from foodstuffs.

7.3. Specific end use(s)

No additional information.

8. Exposure controls/personal protection



8.1. Control parameters

CAS: 80-05-7, Bisphenol A, EU TWA (8h): 2 mg/m³ – Inhalation.

8.2. Exposure controls

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.
 Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour and mists below the applicable workplace exposure limits (Occupational Exposure Limits – OELs) indicated above.

Respiratory protection:

When necessary, use NIOSH-approved breathing equipment.

Protection of skin:

Select glove material impermeable and resistant to the substance.

Eye protection:

Safety goggles or glasses, or appropriate eye protection.

General hygienic measures:

Wash hands before breaks and at the end of work.
 Avoid contact with skin, eyes and clothing.
 Perform routine housekeeping.
 Wash contaminated clothing before reusing.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance (physical state, colour)	Yellow liquid
Odour	Amine
Odour threshold	No data available
pH	No data available
Melting/Freezing point	No data available

Vapour pressure	No data available
Vapour density	No data available
Density	No data available
Relative density (water = 1)	0.986
Solubilities	No data available

Boiling point/range	217°C (422°F)
Flash point (closed cup)	102°C (215°F)
Evaporation rate	No data available
Flammability (solid, gaseous)	No data available
Explosion limit lower	No data available
Explosion limit upper	No data available

Partition coefficient (n-octanol/water)	No data available
Auto/Self-ignition temperature	436°C (817°F)
Decomposition temperature	No data available
Dynamic viscosity	No data available
Kinematic viscosity	No data available

10. Stability and reactivity

10.1. Reactivity

Does not react under normal conditions of use and storage.

10.2. Chemical stability

Stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

None under normal conditions of use and storage.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidising agents.

10.6. Hazardous decomposition products

None known.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Assessment: Acute Tox. 4, H302; Acute Tox. 4, H332.

Product data:

ATEmix (Oral)	561798 mg/kg
ATEmix (Inhalation)	3.33 mg/l

Substance data:

Identification	Route	Result
CAS: 100-51-6	Dermal	LD50 – Rabbit – 2000 mg/kg (single dose)
CAS: 25620-58-0	Oral	LD50 – Rat – 910 mg/kg

Skin corrosion/irritation

Assessment: Skin Corr. 1B, H314.

Product data: No data available.

Substance data: No data available.

Serious eye damage/irritation

Assessment: Eye Dam. 1, H318.

Product data: No data available.

Substance data: No data available.

Respiratory or skin sensitisation

Assessment: Skin Sens. 1, H317.

Product data: No data available.

Substance data: No data available.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Reproductive Toxicity

Assessment: Repr. 1B, H260F

Product data: No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

12. Ecological information**12.1. Toxicity**

Assessment: Aquatic Chronic 3, H412.

Product data: No data available.

Substance data: No data available.

12.2. Persistence and degradability

No additional information.

12.3. Bioaccumulative potential

Identification	Test
CAS: 25620-58-0	Pow-Log 0.77

12.4. Mobility in soil

No additional information.

12.5. Results of PBT and vPvB assessment

PBT assessment: No additional information.

vPvB assessment: No additional information.

12.6. Other adverse effects:

No additional information.

13. Disposal considerations



13.1. Waste treatment methods

Relevant information:



It is the responsibility of the waste generator to properly characterise all waste materials according to applicable regulatory entities. (US 40CFR262.11).

14. Transport information



United States Transportation of dangerous goods (49 CFR DOT)

14.1. UN number	1760
14.2. UN proper shipping name	Corrosive liquid, n.o.s. (Trimethylhexamethylenediamine)
14.3. UN transport hazard class(es)	8  
14.4. Packing group	II
14.5. Environmental hazards	Marine Pollutant
14.6. Special precautions for user	None

International Carriage of Dangerous Goods by Road/Rail (ADR/RID)


14.1. UN number	1760
14.2. UN proper shipping name	Corrosive liquid, n.o.s. (Trimethylhexamethylenediamine)
14.3. UN transport hazard class(es)	8  
14.4. Packing group	II
14.5. Environmental hazards	Marine Pollutant
14.6. Special precautions for user	None
Classification code	80
Transport category	2
Tunnel restriction code	E
Excepted quantities	30mL inner pckg; 500mL outer pckg
Limited quantity	1L

International Maritime Dangerous Goods (IMDG)

14.1. UN number	1760
14.2. UN proper shipping name	Corrosive liquid, n.o.s. (Trimethylhexamethylenediamine)
14.3. UN transport hazard class(es)	8  
14.4. Packing group	II
14.5. Environmental hazards	Marine Pollutant
14.6. Special precautions for user	None
EmS number	F-A, S-B

Stowage and handling	Category B SW2
Excepted quantities	30mL inner pckg; 500mL outer pckg
Limited quantity	1L

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

14.1. UN number	1760
14.2. UN proper shipping name	Corrosive liquid, n.o.s. (Trimethylhexamethylenediamine)
14.3. UN transport hazard class(es)	8 
14.4. Packing group	II
14.5. Environmental hazards	Marine Pollutant
14.6. Special precautions for user	None
Excepted quantities	30mL inner pckg; 500mL outer pckg
Limited quantity	1L

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

Not applicable

15. Regulatory information

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

European regulations

Dir. 98/24/EC (Risks related to chemical agents at work)
 Dir. 2000/39/EC (Occupational exposure limit values)
 Regulation (EC) n. 1907/2006 (REACH)
 Regulation (EC) n. 1272/2008 (CLP)
 Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
 Regulation (EU) n. 2015/830
 Regulation (EU) n. 286/2011 (ATP 2 CLP)
 Regulation (EU) n. 618/2012 (ATP 3 CLP)
 Regulation (EU) n. 487/2013 (ATP 4 CLP)
 Regulation (EU) n. 944/2013 (ATP 5 CLP)
 Regulation (EU) n. 605/2014 (ATP 6 CLP)
 Regulation (EU) n. 2015/1221 (ATP 7 CLP)
 Regulation (EU) n. 2016/918 (ATP 8 CLP)
 Regulation (EU) n. 2016/1179 (ATP 9 CLP)
 Regulation (EU) n. 2017/776 (ATP 10 CLP)

Restrictions according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications

Restrictions related to the product: Restriction 3
 Restrictions related to the substances contained: Restriction 30, Restriction 66.

Where applicable, refer to the following regulatory provisions:

Directive 2012/18/EU (Seveso III)
 Regulation (EC) nr 648/2004 (detergents).
 Dir. 2004/42/EC (VOC directive)

Substances in candidate list (Art. 59 Reg. 1907/2006, REACH):

Bisphenol A: Toxic to reproduction; Endocrine disruptor (environment); Endocrine disruptor (human health).

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1: none

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

16. Other information

Indication of changes: Not applicable.

Abbreviations and Acronyms: None

Summary of classification and hazard statements in section 3:

	Classification	Hazard Statement
Oral Acute Tox. 4; H302	Acute toxicity (oral), category 4	Harmful if swallowed
Skin Corr. 1B; H314	Skin corrosion, category 1B	Causes severe skin burns and eye damage
Skin Sens. 1; H317	Skin sensitisation, category 1	May cause an allergic skin reaction
Eye Dam. 1; H318	Serious eye damage, category 1	Causes serious eye damage
Inhal. Acute Tox. 4; H332	Acute toxicity (inhalation), category 4	Harmful if inhaled
STOT SE 3; H335	Specific Target Organ Toxicity, single exposure, category 3	May cause respiratory irritation
Repr. 1B; H360F	Reproductive toxicity, category 1B	May damage fertility
Aquatic Chronic 3; H412	Chronic aquatic hazard, category 3	Harmful to aquatic life with long lasting effects

The information and recommendations contained herein are based upon data believed to be correct. However, as much of the information has been received from sources outside our company, we cannot guarantee its accuracy or completeness. Health and safety precautions contained within this data sheet may not be adequate for all individuals and /or situations. It is the user's obligation to evaluate and use this data in order to comply with all applicable laws and regulations. Additionally, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.