

# EPOCOTE ULTRA CURING

## 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

### 1.1 Product Identifier

Epocote Ultra- Curing

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

[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites;

[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen);

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

FIS Construction Products

Seymour House

Mayflower Close

Chandlers Ford

Eastleigh

Hampshire

SO53 4AR

[sales@fisproducts.co.uk](mailto:sales@fisproducts.co.uk)

[www.fisproducts.co.uk](http://www.fisproducts.co.uk)

Emergency telephone number

+44 (0) 800 6191619

7.00am-5:00pm Mon-Fri

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture:

2.2 Classification – Xn; R20/22 Symbols: Xn: Harmful.  
1999/45/EC

Main hazards Harmful by inhalation and if swallowed.

Classification – Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Acute Tox. 4:  
EC 1272/2008 H332; Aquatic Chronic 3: H412;

## 2.3 Label Elements

Hazard pictograms



Signal Word

Danger

Hazard Statement

Acute Tox. 4: H302 - Harmful if swallowed.  
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.  
Skin Sens. 1: H317 - May cause an allergic skin reaction.  
Acute Tox. 4: H332 - Harmful if inhaled.  
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Precautionary Statement:  
Prevention

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement:  
Response

P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ /if you feel unwell.  
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P302+P352 - IF ON SKIN: Wash with plenty of water/.  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
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/.  
P312 - Call a POISON CENTER/doctor/ /if you feel unwell.  
P321 - Specific treatment (see on this label).  
P330 - Rinse mouth.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P363 - Wash contaminated clothing before reuse.

Precautionary Statement:  
Storage

P405 - Store locked up.

Precautionary Statement:  
Disposal

P501 - Dispose of contents/container to

### 3. COMPOSITION INFORMATION ON INGREDIENTS

#### 3.1 Mixture

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Benzyl alcohol	603-057-00-5	100-51-6	202-859-9	01-2119492630-38	20 - 30%	Xn; R20/22	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Benzyl alcohol	603-057-00-5	100-51-6	202-859-9	01-2119492630-38	20 - 30%	Acute Tox. 4: H332; Acute Tox. 4: H302;	
m-xylylenediamine		1477-55-0	216-032-5	01-2119480150-50	20 - 30%	Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Acute Tox. 4: H332; Aquatic Chronic 3: H412;	

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	Drink 1 to 2 glasses of water. DO NOT INDUCE VOMITING.

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

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Eye contact	Risk of serious damage to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Causes burns. Ingestion may cause nausea and vomiting.

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

Inhalation	If you feel unwell, seek medical advice (show the label where possible).
Eye contact	Seek medical attention.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Seek medical attention

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media:

Use as appropriate: Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam, Water. Do NOT use water jet.

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

Corrosive. Burning produces irritating, toxic and obnoxious fumes.

### 5.3 Protection of firefighters:

Wear self-contained breathing apparatus and protective clothing.

Further information

Dispose of as special waste in compliance with official regulations.

## 6. ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment. Avoid contact with skin and eyes.

### 6.2 Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

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

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

### 6.4 Reference to other sections

See section 8 for further information.

See section 13 for further information.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

### 7.2 Conditions for safe storage including and incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in original container.

### 7.3 Specific end use(s)

See section 1.2 for further information.

## 8. EXPOSURE CONTROL AND PROTECTION MEASURES

### 8.1 Control parameters

This product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.

### 8.2 Exposure controls



### 8.3 Appropriate engineering controls

Ensure adequate ventilation of the working area.

### 8.4 Individual protection measures

Wear suitable protective clothing.

Eye / face protection

Approved safety glasses.

Skin protection - Handprotection

Chemical resistant gloves. Butyl rubber gloves

Skin protection - Other

Wear suitable protective clothing.

Respiratory protection

Wear suitable respiratory equipment when necessary.

Occupational exposure controls

Keep away from food, drink and animal feedingstuffs.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	Amber
Odour	Characteristic
Flash point	113 °C
Viscosity	300 mPas (Cone & Plate)
Explosive properties	No data available
Oxidising properties	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour Flammability	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water solubility	No data available
Fat Solubility	No data available
Soluble in	No data available
Miscible in	No data available
Partition coefficient (n-octanol/water)	No data available
Odour threshold	No data available

pH	No data available
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Solubility	No data available

## 9.2 Other information

Benzene Content	0 %
Lead content	0 %
VOC (Volatile organic compounds)	0 g/l
SADT	No data available
Conductivity	No data available
Surface tension	No data available
Gas group	No data available

## 10. STABILITY AND REACTIVITY

- 10.1**    Reactivity:  
Stable under normal conditions
- 10.2**    Chemical stability  
Stable under normal conditions.
- 10.3**    Possibility of hazardous reactions  
Reacts with Acids, Alkalis, Oxidising Agents.
- 10.4**    Conditions to avoid  
Heat.
- 10.5**    Incompatible materials  
Strong oxidising agents.
- 10.6**    Hazardous decomposition products  
No data is available on this product.

## 11. TOXOLOGICAL INFORMATION

### 11.1    Information on toxicological effects

Skin corrosion/irritation	Causes burns.
Serious eye damage/irritation	Risk of serious damage to eyes.
Respiratory or skin sensitisation	May cause sensitisation by skin contact.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported. No cumulative effects reported.

Reproductive toxicity                      No observed effect level. No teratogenic effects reported.

**11.2**      Toxicological Information

Benzyl alcohol                      Oral Rat LD50: 1230mg/kg                      Dermal Rabbit LD50: 2000mg/kg

**11.3**      Other information

Swallowing will lead to a strong caustic effect on mouth and throat and danger of perforation of esophagus and stomach.

**12. ECOLOGICAL INFORMATION**

**12.1**      Toxicity

Not readily biodegradable.

Benzyl alcohol                      Daphnia EC50/48h: 400.0000 mg/l      Algae IC50/72h: 640.0000 mg/l  
Fish LC50/96h: 645.0000 mg/l

**12.2**      Persistence and degradability

No data is available on this product.

PBT  
Not applicable.

**12.3**      Bioaccumulative potential

No data is available on this product.

Partition coefficient  
Epocote Ultra - Curing Agent No data available

**12.4**      Mobility in soil

Slightly miscible in water.

**12.5**      Results of PBT and vPvB assessment

No data is available on this product.

**12.6**      Other adverse effects

No data is available on this product..

**13. DISPOSAL CONSIDERATIONS**

**13.1**      Waste treatment methods

Dispose of as special waste in compliance with all local and national regulations.

#### General information

08 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS. 08 02 wastes from MFSU of other coatings (including ceramic materials). 08 02 99 wastes not otherwise specified.

#### Disposal methods

The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Waste packaging should be recycled if possible. Incineration should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned. Empty containers or liners may still contain residue. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

#### Disposal of packaging

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Do NOT reuse empty containers.

## 14. TRANSPORT INFORMATION

### Hazard pictograms



- 14.1** UN number  
UN2735
- 14.2** UN proper shipping name  
AMINES, LIQUID, CORROSIVE N.O.S. (m-xylylnwdiamine)
- 14.3** Transport hazard class(es)
- |                 |   |
|-----------------|---|
| ADR/RID         | 8 |
| Subsidiary risk | - |
| IMDG            | 8 |
| Subsidiary risk | - |
| IATA            | 8 |
| Subsidiary risk | - |



- 14.4** Packing group  
Packing group III
- 14.5** Environmental hazards
- Environmental hazards No  
Marine pollutant No
- 14.6** Special precautions for user  
Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of a spillage.
- 14.7** Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  
For transport approval see regulatory information.
- ADR/RID  
Hazard ID 80  
Tunnel Category (E)
- IMDG  
EmS Code F-A S-F
- IATA  
Packing Instruction (Cargo) 856  
Maximum quantity 60L  
Packing Instruction (Passenger) 852  
Maximum quantity 5 L

## 15. REGULATORY INFORMATION

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

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

## 15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

## 16. OTHER INFORMATION

### Other information

Text of Hazard Statements in Section 3

R20/22 - Harmful by inhalation and if swallowed.

Text of Hazard Statements in Section 3

Acute Tox. 4: H302 - Harmful if swallowed.

Acute Tox. 4: H332 - Harmful if inhaled.

Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

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

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Maximum content of VOC

0 g/l.

### Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.

The above information is believed to be correct but not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the product.