

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 10/27/2020 Revision date: 11/17/2022 Supersedes version of: 7/28/2022 Version: 14.2

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

#### 1.1. Product identifier

Product form : Mixture

Product name : EPOXY HARDENER (CAPCURE)

Product code : 301603

#### 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 : Adhesives, binding agents

#### 1.2.2. Uses advised against

No additional information available

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

#### Supplier

Cedesa Ltd Chater Lea Buildings Icknield Way SG6 1WT Letchworth Garden City United Kingdom T 01462 480764

sales@cedesa.co.uk - www.cedesa.co.uk

#### 1.4. Emergency telephone number

Emergency number : 01462 472665

# **SECTION 2: Hazards identification**

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

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

Skin corrosion/irritation, Category 1, Sub-Category 1C H314
Serious eye damage/eye irritation, Category 1 H318
Skin sensitisation, Category 1 H317
Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412

Full text of H- and EUH-statements: see section 16

# Adverse physicochemical, human health and environmental effects

Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

# Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)





GHS05

GHS07

Signal word (CLP) : Danger

Contains : POLY[OXY(METHYL-1,2-ETHANEDIYL)], ALPHA-HYDRO-OMEGA-HYDROXY-,ETHER

WITH 2,2-BIS(HYDROXYMETHYL)-1,3-PROPANEDIOL(4:1), 2-HYDROXY-3-

MERCAPTOPROPYL ETHER

Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H412 - Harmful to aquatic life with long lasting effects.

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Precautionary statements (CLP)

: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor. P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor. P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a

POISON CENTER or doctor.

P321 - Specific treatment (see supplemental first aid instruction on this label). P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.

#### 2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

# **SECTION 3: Composition/information on ingredients**

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
POLY[OXY(METHYL-1,2-ETHANEDIYL)], ALPHA- HYDRO-OMEGA-HYDROXY-,ETHER WITH 2,2- BIS(HYDROXYMETHYL)-1,3-PROPANEDIOL(4:1), 2- HYDROXY-3-MERCAPTOPROPYL ETHER	CAS-No.: 72244-98-5 EC-No.: 615-735-8 REACH-no: 01-2120118957- 46	≥ 70 - < 90	Skin Sens. 1, H317 Aquatic Chronic 3, H412
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL	CAS-No.: 90-72-2 EC-No.: 202-013-9 EC Index-No.: 603-069-00-0 REACH-no: 01-2119560597- 27	≥ 10 - < 20	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Irrit. 2, H315

Full text of H- and EUH-statements: see section 16

# **SECTION 4: First aid measures**

# 4.1. Description of first aid measures

First-aid measures general

: Call a physician immediately.

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing. There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. Nausea.

First-aid measures after skin contact

: May cause slight irritation to the skin. Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.

First-aid measures after eye contact

: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion

: Wash immediately with plenty of water. Transport to hospital. Rinse mouth. Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects after inhalation : Abdominal pain, nausea.

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Symptoms/effects after skin contact : irritation (itching, redness, blistering). Burns. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Redness. Serious damage to eyes. Symptoms/effects after ingestion : Difficulty in swallowing. Burns.

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

Eye bathing equipment should be available on the premises.

# **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media : Suitable extinguishing media for the surrounding fire should be used. Use water spray to

cool containers. Water spray. Dry powder. Foam. Carbon dioxide.

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

Hazardous decomposition products in case of fire : In combustion emits toxic fumes. Combustion products may include the following: carbon

oxides (CO, CO2) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO2 etc.).

# 5.3. Advice for firefighters

Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing. Do not attempt

to take action without suitable protective equipment. Self-contained breathing apparatus.

Complete protective clothing.

# **SECTION 6: Accidental release measures**

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

General measures : Evacuate area.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

# 6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses.

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

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Absorb remaining liquid with sand or inert

absorbent and remove to safe place.

Other information : Dispose of materials or solid residues at an authorized site.

# 6.4. Reference to other sections

For further information refer to section 13.

# **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid dust formation. Avoid contact with skin

and eyes. Wear personal protective equipment.

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Hygiene measures

: Take off immediately all contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

# 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in a well-ventilated place. Keep cool.

#### 7.3. Specific end use(s)

No additional information available

# SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

# 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

# 8.2.1. Appropriate engineering controls

# Appropriate engineering controls:

Ensure that there is a suitable ventilation system. Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

#### Personal protective equipment symbol(s):







#### 8.2.2.1. Eye and face protection

#### Eye protection:

Eye bathing equipment should be available on the premises. Safety glasses (EN 166). Safety glasses

# 8.2.2.2. Skin protection

#### Hand protection:

Butyl-rubber protective gloves. Nitrile rubber gloves. Wear suitable gloves tested to EN374

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
	Butyl rubber	6 (> 480 minutes)			
	Nitrile rubber (NBR)	0 (< 10 minutes), 6 (> 480 minutes)			

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#### 8.2.2.3. Respiratory protection

#### Respiratory protection:

No respiratory protection needed under normal use conditions

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### **Environmental exposure controls:**

Avoid release to the environment.

# **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour : Yellow. Odour : Sulphurous. Odour threshold : Not available Melting point : Not applicable Freezing point : Not available : Not available Boiling point : Non flammable. Flammability **Explosive limits**  Not available : Not available Lower explosion limit : Not available Upper explosion limit Flash point : > 93 °C : Not available Auto-ignition temperature Decomposition temperature : Not available : 10.1

Viscosity, kinematic : Not available Viscosity, dynamic : 1000 - 1600 Pa·s Solubility : Insoluble. Partition coefficient n-octanol/water (Log Kow) : Not available Vapour pressure : 0.000002 hPa Vapour pressure at 50 °C : Not available Density : 1.13 g/cm<sup>3</sup> Relative density : 1.13 Relative vapour density at 20 °C : Not available Particle characteristics : Not applicable

### 9.2. Other information

### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

# **SECTION 10: Stability and reactivity**

# 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

# 10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

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#### 10.4. Conditions to avoid

Heat.

# 10.5. Incompatible materials

Oxidizing agent. Strong acids.

# 10.6. Hazardous decomposition products

In combustion emits toxic fumes.

# **SECTION 11: Toxicological information**

# 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Skin corrosion/irritation : Causes severe skin burns.

pH: 10.1

Serious eye damage/irritation : Causes serious eye damage.

pH: 10.1

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

#### 11.2. Information on other hazards

No additional information available

# **SECTION 12: Ecological information**

# 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term : Not classified

(acute)

Hazardous to the aquatic environment, long-term : Harmful to aquatic life with long lasting effects.

(chronic)

Not rapidly degradable

EPOXY HARDENER (CAPCURE)		
LC50 - Fish [1]	87 mg/l	
LC50 - Other aquatic organisms [1]	12 mg/l	
EC50 72h - Algae [1]	> 733 mg/l	

# 12.2. Persistence and degradability

EPOXY HARDENER (CAPCURE)	
Persistence and degradability	Biodegradable.

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# 12.3. Bioaccumulative potential

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Bioaccumulative potential No bioaccumulation potential.

#### 12.4. Mobility in soil

No additional information available

# 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

# 12.7. Other adverse effects

No additional information available

# **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

# **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 2735	UN 2735	UN 2735	UN 2735	UN 2735
14.2. UN proper shippin	g name			
AMINES, LIQUID, CORROSIVE, N.O.S. ((2,4,6-TRIS(DIMETHYL AMINOMETHYL)PHENOL, bis[(dimethylamino)methyl] phenol))	AMINES, LIQUID, CORROSIVE, N.O.S. ((2,4,6-TRIS(DIMETHYL AMINOMETHYL)PHENOL, bis[(dimethylamino)methyl] phenol))	Amines, liquid, corrosive, n.o.s. ((2,4,6- TRIS(DIMETHYL AMINOMETHYL)PHENOL, bis[(dimethylamino)methyl] phenol))	AMINES, LIQUID, CORROSIVE, N.O.S. ((2,4,6-TRIS(DIMETHYL AMINOMETHYL)PHENOL, bis[(dimethylamino)methyl] phenol))	AMINES, LIQUID, CORROSIVE, N.O.S. ((2,4,6-TRIS(DIMETHYL AMINOMETHYL)PHENOL, bis[(dimethylamino)methyl] phenol))
Transport document descr	iption			
UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. ((2,4,6-TRIS(DIMETHYL AMINOMETHYL)PHENOL, bis[(dimethylamino)methyl] phenol)), 8, III, (E)	UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. ((2,4,6-TRIS(DIMETHYL AMINOMETHYL)PHENOL, bis[(dimethylamino)methyl] phenol)), 8, III	UN 2735 Amines, liquid, corrosive, n.o.s. ((2,4,6- TRIS(DIMETHYL AMINOMETHYL)PHENOL, bis[(dimethylamino)methyl] phenol)), 8, III	UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. ((2,4,6-TRIS(DIMETHYL AMINOMETHYL)PHENOL, bis[(dimethylamino)methyl] phenol)), 8, III	UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. ((2,4,6-TRIS(DIMETHYL AMINOMETHYL)PHENOL, bis[(dimethylamino)methyl] phenol)), 8, III
14.3. Transport hazard class(es)				
8	8	8	8	8
8	8	8	8	8

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ADR	IMDG	IATA	ADN	RID
14.4. Packing group				
III	III	III	III	III
14.5. Environmental haz	zards			
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No

# 14.6. Special precautions for user

#### **Overland transport**

Classification code (ADR) : C7
Special provisions (ADR) : 274
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T7
Portable tank and bulk container special provisions : TP1, TP28

(ADR)

Tank code (ADR) : L4BN
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Hazard identification number (Kemler No.) : 80

Orange plates :

80 2735

Tunnel restriction code (ADR) : E EAC code : 2X

#### Transport by sea

Special provisions (IMDG) : 223, 274 Limited quantities (IMDG) : 5 L Excepted quantities (IMDG) : E1 Packing instructions (IMDG) P001, LP01 IBC packing instructions (IMDG) : IBC03 Tank instructions (IMDG) : T7 Tank special provisions (IMDG) TP1, TP28 EmS-No. (Fire) : F-A : S-B EmS-No. (Spillage) : A Stowage category (IMDG)

Segregation (IMDG) : SGG18, SG35

Properties and observations (IMDG)

: Colourless to yellowish liquids or solutions with a pungent odour. Miscible with or soluble in water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. Reacts violently with acids. Cause burns to skin, eyes and mucous

membranes.

### Air transport

PCA Excepted quantities (IATA) : E1 PCA Limited quantities (IATA) : Y841 PCA limited quantity max net quantity (IATA) : 1L PCA packing instructions (IATA) : 852 PCA max net quantity (IATA) : 5L : 856 CAO packing instructions (IATA) : 60L CAO max net quantity (IATA) Special provisions (IATA) : A3, A803

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ERG code (IATA) : 8L

Inland waterway transport

Classification code (ADN) : C7

Special provisions (ADN) : 274

Limited quantities (ADN) : 5 L

Excepted quantities (ADN) : E1

Carriage permitted (ADN) : T

Equipment required (ADN) : PP, EP

Number of blue cones/lights (ADN) : 0

#### Rail transport

Classification code (RID) : C7
Special provisions (RID) : 274
Limited quantities (RID) : 5L
Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T7
Portable tank and bulk container special provisions : TP1, TP28

(RID)

Tank codes for RID tanks (RID) : L4BN
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12
Colis express (express parcels) (RID) : CE8
Hazard identification number (RID) : 80

#### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

# **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

# **REACH Annex XVII (Restriction List)**

Contains no REACH substances with Annex XVII restrictions

#### **REACH Annex XIV (Authorisation List)**

Contains no REACH Annex XIV substances

#### **REACH Candidate List (SVHC)**

Contains no substance on the REACH candidate list

#### **PIC Regulation (Prior Informed Consent)**

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

# **POP Regulation (Persistent Organic Pollutants)**

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

#### **Explosives Precursors Regulation (2019/1148)**

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

#### **Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

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# 15.1.2. National regulations

No additional information available

# 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# **SECTION 16: Other information**

Abbreviations and acr	onyms:
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified

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Abbreviations and acronyms:	
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements:		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H302	Harmful if swallowed.	
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.	
H412	Harmful to aquatic life with long lasting effects.	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.