

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

1.1 Product identifier

Trade name: **CeTePox® AM 3510 Comp. A**

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

No further relevant information available.

Application of the substance / the mixture Epoxy binder

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

CTP Advanced Materials GmbH
Stahlstrasse 60
D-65428 Rüsselsheim

Tel.: +49-6142-91850, Fax: +49-6142-918555, Email: am.de@adityabirla.com

Informing department: see section 16

1.4 Emergency telephone number:

Poison Control Center Mainz - 24 h - Emergency Call: +49 (0)6131 19240

GB: Regional Medicines and Poisons Information Centre 844 892 0111

AU: National Poisons Information Network (Australia-wide) 131126

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
Repr. 1B H360F May damage fertility.
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS07 GHS08 GHS09

Signal word Danger

Hazard-determining components of labelling:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylen)]bisoxirane
Oxiran, Mono[(C12-14-alkyloxy)methyl]derivate
Reaction mass of 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and 2-{2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H360F May damage fertility.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

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

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- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**

- Restricted to professional users.

- EUH205 Contains epoxy constituents. May produce an allergic reaction.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**

- **Description:**

Epoxy resin formulation with a bisphenol-A liquid resin base and bisphenol-F liquid resin

- **Dangerous components:**

CAS: 1675-54-3 EINECS: 216-823-5 Reg.nr.: 01-2119456619-26-xxxx	2,2'-[(1-methylethyliden)bis(4,1-phenylenoxymethylen)]bisoxirane Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317, EUH205 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5 % Eye Irrit. 2; H319: C ≥ 5 %	60-85%
EC number: 701-263-0 Reg.nr.: 01-2119454392-40-xxxx	Reaction mass of 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl}oxirane and 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	10-20%
CAS: 68609-97-2 EINECS: 271-846-8 Reg.nr.: 01-2119485289-22-xxxx	Oxiran, Mono[(C12-14-alkyloxy)methyl]derivate Repr. 1B, H360F; Skin Irrit. 2, H315; Skin Sens. 1, H317	2.5-10%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **General information** Instantly remove any clothing soiled by the product.

- **After inhalation**

Seek medical treatment in case of complaints.

Supply fresh air and call for doctor for safety reasons.

In case of unconsciousness bring patient into stable side position for transport.

- **After skin contact**

If skin irritation continues, consult a doctor.

Instantly rinse with water.

- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

- **After swallowing** Seek immediate medical advice.

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- **Information for doctor** No particular measures are known - treat according to symptoms.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective clothing.
- **6.2 Environmental precautions:**
Do not allow to enter the ground/soil.
Do not allow product to reach sewage system or water bodies.
Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.
Clean the accident area carefully.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
The usual precautionary measures for handling chemicals must be observed.
Keep containers tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
Store only in the original container.
Keep containers securely closed and dry, store frost-free.
Provide floor trough without outlet.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep container tightly sealed.

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· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Components with limit values that require monitoring at the workplace:

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

· DNELs

1675-54-3 2,2'-[(1-methylethyliden)bis(4,1-phenylenoxymethylen)]bisoxirane

Dermal DNEL - worker 8.33 mg/kg / bw/d

Inhalative DNEL - worker 12.25 mg/m³

Reaction mass of 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane

Dermal DNEL - worker 104.15 mg/kg / bw/d

Inhalative DNEL - worker 29.39 mg/m³

68609-97-2 Oxiran, Mono[(C12-14-alkyloxy)methyl]derivate

Dermal DNEL - worker 1 mg/kg / bw/d

Inhalative DNEL - worker 3.6 mg/m³

· PNECs

1675-54-3 2,2'-[(1-methylethyliden)bis(4,1-phenylenoxymethylen)]bisoxirane

PNEC (predicted no effect concentration) 0.006 mg/l (Fresh water)

0.0006 mg/l (Seawater)

Reaction mass of 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane

PNEC (predicted no effect concentration) 0.003 mg/l (Fresh water)

0.0003 mg/l (Seawater)

68609-97-2 Oxiran, Mono[(C12-14-alkyloxy)methyl]derivate

PNEC (predicted no effect concentration) 0.0072 mg/l (Fresh water)

0.00072 mg/l (Seawater)

· **Additional information:** The lists that were valid during the compilation were used as basis.

· 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

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 · **Recommended filter device for short term use:**


Combination filter A-P2

 · **Hand protection**


Plastic gloves

Only use chemical protective gloves in accordance with EN ISO 374-1.

To minimise the wetness in the glove due to perspiration changing of gloves during a shift is required.

Check the permeability prior to each renewed use of the glove.

Preventive skin protection by use of skin-protecting agents is recommended.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

 · **Material of gloves**

Nitrile rubber, NBR

Fluorocarbon rubber (Viton)

Recommended thickness of the material: ≥ 0.5 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. 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.

 · **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Value for the permeation: Level ≤ 480 min

 · **For the permanent contact gloves made of the following materials are suitable:**

Nitrile rubber, NBR

 · **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Nitrile rubber (disposable glove)

 · **As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber (disposable glove)

 · **Not suitable are gloves made of the following materials:**

Strong gloves

Leather gloves

 · **Eye/face protection**

Safety glasses

Safety glasses recommended during refilling.

 · **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

 · **9.1 Information on basic physical and chemical properties**

 · **General Information**

 · **Physical state**

Fluid

 · **Colour:**

Yellowish

 · **Odour:**

Characteristic

 · **Odour threshold:**

Not determined.

 · **Melting point/freezing point:**

Not determined

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· Boiling point or initial boiling point and boiling range	> 200 °C
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	> 100 °C
· Auto-ignition temperature:	235 °C
· Decomposition temperature:	Not determined.
· pH	Not applicable.
· Viscosity:	
· Kinematic viscosity	Not determined.
· dynamic at 23 °C:	4300 mPas (ISO 3219)
· Solubility	
· Water:	Not miscible or difficult to mix
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	0.8 hPa
· Density and/or relative density	
· Density at 23 °C	1.16 g/cm ³ (ISO 2811-2)
· Relative density	Not determined.
· Vapour density	Not determined.

9.2 Other information

· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive.
· Change in condition	
· Evaporation rate	Not determined.

Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.

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- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
Reacts with strong oxidizing agents, alkali, amines and acids
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** strong oxidizing agents
- **10.6 Hazardous decomposition products:**
none, if stored and handled correctly.
in the event of fire:
toxic gases and vapours

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

1675-54-3 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylen)]bisoxirane

Oral	LD50	15,000 mg/kg (Rat)
Dermal	LD50	23,000 mg/kg (rab)

Reaction mass of 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl}oxirane and 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane

Oral	LD50	>2,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)

68609-97-2 Oxiran, Mono[(C12-14-alkyloxy)methyl]derivate

Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>4,500 mg/kg (rabbit)

- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** May damage fertility.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

1675-54-3 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylen)]bisoxirane

Bakterientoxizität (Bacteria toxicity)	100 mg/l (<i>Pseudomonas putida</i>)
Daphnia toxicity	1.8 mg/l (<i>Daphnia magna</i> (Wasserfloh)) (EC50(48h))
Algal toxicity	11 mg/l (<i>Scenedesmus capricornutum</i>) (EC50(72h))

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Fish toxicity	2 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (LC50(96h))
Reaction mass of 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl}oxirane and 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane	
Daphnia toxicity	2.55 mg/l (Daphnia magna (Wasserfloh)) (LC50(48h))
Algal toxicity	1.8 mg/l (Scenedesmus capricornutum) (EC50(72))
Fish toxicity	2.54 mg/l (Leuciscus idus) (LC50(96h))
68609-97-2 Oxiran, Mono[(C12-14-alkyloxy)methyl]derivate	
Bacterial toxicity	>100 mg/l (Belebtschlamm (activated sludge)) (EC50)
Daphnia toxicity	7.2 mg/l (Daphnia magna (Wasserfloh)) (EC50(48h))
Algal toxicity	844 mg/l (EC50(72h))
Fish toxicity	>5,000 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (LC50(96h))

- **12.2 Persistence and degradability** No further relevant information available.
- **Other information:** The product is slightly biodegradable.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **Other information** bioaccumulation possible
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Ecotoxicological effects:** Not determined
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
Do not allow product to reach ground water, water bodies or sewage system.
Danger to drinking water if even small quantities leak into soil.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

For disposal, local regulations issued by the authorities must be observed. Dispose of liquid components at a suitable incineration plant. After curing, the product can be disposed of with household waste.

European waste catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 02 00	wastes from MFSU of other coatings (including ceramic materials)
08 02 99	wastes not otherwise specified

Uncleaned packagings:

- **Recommendation:** Disposal must be made according to official regulations.

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 · **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

 · **14.1 UN number or ID number**
 · **ADR/RID/ADN, IMDG, IATA**

UN3082

 · **14.2 UN proper shipping name**
 · **ADR/RID/ADN**

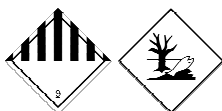
3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin, Bisphenol F- Epoxyresin)

· **IMDG**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin, Bisphenol F- Epoxyresin), MARINE POLLUTANT

· **IATA**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin, Bisphenol F- Epoxyresin)

 · **14.3 Transport hazard class(es)**
· **ADR/RID/ADN**· **Class**

9 (M6) Miscellaneous dangerous substances and articles.

· **Label**

9

· **IMDG, IATA**· **Class**

9 Miscellaneous dangerous substances and articles.

· **Label**

9

 · **14.4 Packing group**
· **ADR/RID/ADN, IMDG, IATA**

III

 · **14.5 Environmental hazards:**

Product contains environmentally hazardous substances: epoxy resin

 · **Marine pollutant:**

Yes

 · **Special marking (ADR/RID/ADN):**

Symbol (fish and tree)

 · **Special marking (IATA):**

Symbol (fish and tree)

Symbol (fish and tree)

 · **14.6 Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

 · **Kemler Number:**

90

 · **EMS Number:**

F-A, S-F

 · **Stowage Category**

A

 · **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

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 · **Transport/Additional information:**

 · **ADR/RID/ADN**

 · **Excepted quantities (EQ):**

E1

 · **Limited quantities (LQ)**

5L

 · **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000

ml

 · **Transport category**

3

 · **Tunnel restriction code**

(-)

 · **IMDG**

 · **Limited quantities (LQ)**

5L

 · **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000

ml

 · **UN "Model Regulation":**

 UN 3082 ENVIRONMENTALLY HAZARDOUS
 SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN,
 BISPHENOL F- EPOXYRESIN), 9, III

SECTION 15: Regulatory information

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

 · **Directive 2012/18/EU**

 · **Named dangerous substances - ANNEX I** None of the ingredients is listed.

 · **Seveso category E2** Hazardous to the Aquatic Environment

 · **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

 · **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

 · **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

 · **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

 · **REGULATION (EU) 2019/1148**

 · **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

 · **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

 · **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

 · **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

 · **National regulations**

 · **Decree to be applied in case of technical fault:**

VOC	- EU (Decopaint-Directive 2004/42/EC)
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0.0

g/l

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· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

· **Reasons for alterations**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Changes made since last issue dated 16.08.2022 at the following points: *

The version number on page 1 refers to the versions that were created after the changeover of the safety data sheets to Regulation (EU) 2020/878.

· **Relevant phrases**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H360F May damage fertility.

H411 Toxic to aquatic life with long lasting effects.

EUH205 Contains epoxy constituents. May produce an allergic reaction.

· **Department issuing data specification sheet:**

CTP Advanced Materials GmbH

Stahlstrasse 60

D-65428 Rüsselsheim

· **Contact:** sdb@ctpgmbh.de

· **Version number of previous version:** 1

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Repr. 1B: Reproductive toxicity – Category 1B

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· *** Data compared to the previous version altered.**