GB

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 07.12.2022

*Version number 6 (replaces version 5)* 

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

Revision: 07.12.2022

Start

## · 1.1 Product identifier · Trade name: AH 26 Powder 1.2 Relevant identified uses of the substance or mixture and uses advised against · Application of the substance / the mixture root canal filling material · Uses advised against No further relevant information available. · 1.3 Details of the supplier of the safety data sheet · Manufacturer/Supplier: Dentsply DeTrey GmbH De-Trey-Str. 1 D-78467 Konstanz GERMANY Tel.: +49-(0)7531-583-0 Fax: +49-(0)7531-583-104 email: KonstanzDEU.info-sdb@dentsplysirona.com · Further information obtainable from: Research and Development • 1.4 Emergency telephone number: +49-(0)7531-583-0 8:00 - 17:00 (GMT + 1:00) **SECTION 2: Hazards identification** · 2.1 Classification of the substance or mixture · Classification according to Regulation (EC) No 1272/2008 Skin Sens. 1 H317 May cause an allergic skin reaction. Aquatic Acute 1 H400 Very toxic to aquatic life. Aquatic Chronic 3 H412 Harmful 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 GB CLP regulation. · Hazard pictograms GHS07 GHS09 · Signal word Warning · Hazard-determining components of labelling: methenamine · Hazard statements H317 May cause an allergic skin reaction. H400 Very toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects. · Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P273 Avoid release to the environment. P280 Wear protective gloves. P302+P352 IF ON SKIN: Wash with plenty of water. *P333*+*P313 If skin irritation or rash occurs: Get medical advice/attention.* P501 Dispose of contents/container in accordance with local/regional/national/international regulations. • Additional information: As this product is a medical device in the meaning of Directive 93/42/EEC and regulation (EC) 2017/745 and intended for use by the end consumer and is applied in an invasive manner or body contact, it is exempt from the labelling requirements according to regulation (EC) 1272/2008. EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust. (Contd. on page 2)

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#### Trade name: AH 26 Powder

- · 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:** Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 100-97-0	methenamine	25 - 50%
EINECS: 202-905-8	Flam. Sol. 2, H228; Skin Sens. 1, H317	
CAS: 13463-67-7	titanium dioxide	2.5 - 10%
EINECS: 236-675-5	substance with a Community workplace exposure limit	
CAS: 7440-22-4	silver	≥0.25-<2.5%
EINECS: 231-131-3	Aquatic Acute 1, H400 (M=1000); Aquatic Chronic 1, H410 (M=1)	
• 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
- · After inhalation Supply fresh air; consult doctor in case of complaints.
- $\cdot$  After skin contact Immediately wash with water and soap and rinse thoroughly.
- After eye contact Rinse opened eye for several minutes under running water.
- *After swallowing If symptoms persist consult doctor.*
- · Information for doctor No further relevant information available.
- 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, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- · For safety reasons unsuitable extinguishing agents Water with full jet.
- 5.2 Special hazards arising from the substance or mixture
- Formation of toxic gases is possible during heating or in case of fire.
- 5.3 Advice for firefighters
- · Protective equipment: Self-contained respiratory protective device.

## **SECTION 6:** Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Avoid formation of dust.
- Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions: Do not allow product to reach sewage system or any water course.
- 6.3 Methods and material for containment and cleaning up:
- Dispose contaminated material as waste according to item 13. Ensure adequate ventilation. Pick up mechanically.
- **6.4 Reference to other sections** See Section 7 for information on safe handling See Section 8 for information on personal protection equipment

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See Section 13 for disposal information.

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## **SECTION 7: Handling and storage**

· 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Observe normal care for working with chemicals.

• Information about fire - and explosion protection: No special measures required.

· Handling Product is intended for dental use only.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage

• *Requirements to be met by storerooms and receptacles:* Store only in the original receptacle.

· Information about storage in one common storage facility: Not required.

• Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

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

#### SECTION 8: Exposure controls/personal protection

#### · 8.1 Control parameters

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

CAS: 13463-67-7 titanium dioxide

WEL Long-term value: 10\* 4\*\* mg/m<sup>3</sup>

\*total inhalable \*\*respirable

#### CAS: 7440-22-4 silver

WEL Long-term value: 0.1 mg/m<sup>3</sup>

• Regulatory information WEL: EH40/2020

• Additional information: The lists valid during the making were used as basis.

• Appropriate engineering controls No further data; see item 7.

· Individual protection measures, such as personal protective equipment

· General protective and hygienic measures

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

- · Respiratory protection: Not necessary if room is well-ventilated.
- · Hand protection



Protective gloves.

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

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.

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.11$  mm Permeation: Level  $\geq 6$ 

Penetration time of glove material

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

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<sup>· 8.2</sup> Exposure controls

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#### Trade name: AH 26 Powder

- *Eye/face protection Safety glasses Body protection: Protective work clothing.*

## SECTION 9: Physical and chemical properties

<ul> <li>Physical state Solid.</li> <li>Colour: Yellow Yellow</li> <li>Odour: Characteristic</li> <li>Not determined.</li> <li>Metting pointfreezing point: undetermined.</li> <li>Boiling point or initial boiling point and boiling range</li> <li>Planmability Undetermined.</li> <li>Boiling point or initial boiling point and boiling range</li> <li>Planmability Not determined.</li> <li>Lower and upper explosion limit</li> <li>Lower and upper explosion limit</li> <li>Water applicable.</li> <li>Ppers: Not determined.</li> <li>Upper: Not applicable.</li> <li>Viscosity: Not applicable.</li> <li>Viscosity: Not applicable.</li> <li>Solubility Not applicable.</li> <li>Solubility</li> <li>Water: Slightly soluble</li> <li>Pertain coefficient n-octanol/water (log value) Not determined.</li> <li>Vapour pressure: Not applicable.</li> <li>Densiy and/or relative density</li> <li>Densiy and/or relative density</li> <li>Not applicable.</li> <li>Vapour density Not applicable.</li> <li>Vapour density Not applicable.</li> <li>Solubility Not applicable.</li> <li>Vapour density Not applicable.</li> <li>Vapour density Not applicable.</li> <li>Solubicable.</li> <li>Solubicable.</li></ul>		roperties
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		(Conta. of page 4)
· Substances and mixtures, which emit fl	lammable	
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.

· 10.2 Chemical stability

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

- · 10.3 Possibility of hazardous reactions No dangerous reactions known
- 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products:

Formaldehyde

Ammonia

Nitrogen oxides

## SECTION 11: Toxicological information

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

· Acute toxicity

· LD/LC50 values relevant for classification:

CAS: 100-97-0 methenamine

Oral LD50 9,200 mg/kg (rat)

CAS: 13463-67-7 titanium dioxide

 $Oral \quad LD50 > 5,000 \text{ mg/kg (rat)}$ 

Dermal | LD50 | > 5,000 mg/kg (rabbit)

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

• 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

## **SECTION 12: Ecological information**

· 12.1 Toxicity

• Aquatic toxicity:

CAS: 100-97-0 methenamine

LC50/96h 49,800 mg/l (Fish acute toxicity study)

EC50/48h 36,000 mg/L (daphnia magna)

CAS: 13463-67-7 titanium dioxide

|LC50/48h| > 100 mg/l (daphnia magna)

LC50/96h > 1,000 mg/l (Fish acute toxicity study)

#### CAS: 7440-22-4 silver

LC50/96h 0.003 mg/l (Fish acute toxicity study)

EC50/48h 0.00022 mg/L (daphnia magna)

• 12.2 Persistence and degradability No further relevant information available.

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## Safety data sheet

according to 1907/2006/EC, Article 31

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- 12.3 Bioaccumulative potential No further relevant information available. • 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
- · Remark:
- Very toxic for fish
- Harmful to fish
- Additional ecological information:
- · General notes:

Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground. Very toxic for aquatic organisms

Harmful to aquatic organisms

## **SECTION 13: Disposal considerations**

· 13.1 Waste treatment methods

· Recommendation



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agents: Water, if necessary together with cleansing agents.

· 14.1 UN number or ID number · ADR, IMDG, IATA	UN3077
• 14.2 UN proper shipping name	
ADR	Void
·IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE SOLID, N.O.S. (silver), MARINE POLLUTANT
·IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCI SOLID, N.O.S. (silver)
· 14.3 Transport hazard class(es)	
· ADR	
· Class	9 (M7) Miscellaneous dangerous substances an articles.

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Label	9
IMDG, IATA	
· Class · Label	9 Miscellaneous dangerous substances and articles. 9
· 14.4 Packing group · ADR, IMDG, IATA	III
· 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR): · Special marking (IATA):	Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree)
· 14.6 Special precautions for user	Warning: Miscellaneous dangerous substances ar
Hazard identification number (Kemler code): EMS Number: Stowage Category Stowage Code	articles. 90 F-A,S-F A SW23 When transported in BK3 bulk container, so 7.6.2.12 and 7.7.3.9.
• 14.7 Maritime transport in bulk according to IM instruments	<i>Not applicable.</i>
• Transport/Additional information:	
ADR Limited quantities (LQ) Excepted quantities (EQ) Transport category Tunnel restriction code	5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g 3
	(-) Examplify a seconding to ADD superior languistica 275.
Remarks:	(-) Exemption according to ADR special provision 375: This substance is not subject to the other provisions of the ADR if packed in net quantities of 5L or 5kg po- individual or inner packaging, provided that sub- sections 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 an complied with.
· Remarks: · IMDG	This substance is not subject to the other provisions the ADR if packed in net quantities of 5L or 5kg paindividual or inner packaging, provided that sub sections 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 and complied with.
Remarks:	This substance is not subject to the other provisions the ADR if packed in net quantities of 5L or 5kg paindividual or inner packaging, provided that sub sections 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 and

## 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 E1 Hazardous to the Aquatic Environment

• Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t

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(Contd. of page 7) • Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t • 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out. **SECTION 16: Other information** This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The attached safety data sheet covers the dangers and measures to be taken when large quantities of material are released, for example due to accidents during transport or storage by the dealer. For quantities of material typically used in clinical practice, information necessary for safe use and storage of the product is given in the DFU. · Relevant phrases H228 Flammable solid. H317 May cause an allergic skin reaction. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. · Department issuing SDS: Research & Development · Contact: HotLine for urgent technical support: +49-7531-583-350 · 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) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Sol. 2: Flammable solids - Category 2 Skin Sens. 1: Skin sensitisation - Category 1 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3 \* \* Data compared to the previous version altered.

according to 190//2006/EC, Article

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

· 1.1 Product identifier

• Trade name: AH 26 Resin

- · 1.2 Relevant identified uses of the substance or mixture and uses advised against
- · Application of the substance / the mixture root canal filling material
- · Uses advised against No further relevant information available.
- · 1.3 Details of the supplier of the safety data sheet

• Manufacturer/Supplier: Dentsply DeTrey GmbH De-Trey-Str. 1 D-78467 Konstanz GERMANY Tel.: +49-(0)7531-583-0 Fax: +49-(0)7531-583-104 email: KonstanzDEU.info-sdb@dentsplysirona.com

• Further information obtainable from: Research and Development

• 1.4 Emergency telephone number: +49-(0)7531-583-0 8:00 - 17:00 (GMT + 1:00)

## **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.

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 GB CLP regulation. Hazard pictograms



· Signal word Warning

· Hazard-determining components of labelling:

2.2-Bis-[4-(2.3-epoxy-propoxy)-phenyl]-propan

#### · Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

- · Precautionary statements
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- *P273 Avoid release to the environment.*

*P280 Wear protective gloves / eye protection / face 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.

*P333+P313* If skin irritation or rash occurs: Get medical advice/attention.

*P501 Dispose of contents/container in accordance with local/regional/national/international regulations.* 

• Additional information:

As this product is a medical device in the meaning of Directive 93/42/EEC and regulation (EC) 2017/745 and intended for use by the end consumer and is applied in an invasive manner or body contact, it is exempt from the labelling requirements according to regulation (EC) 1272/2008.

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#### Trade name: AH 26 Resin

- · 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: Mixture of substances listed below with nonhazardous additions.

#### · Dangerous components:

Dungerous compone	1660.	
CAS: 1675-54-3	2.2-Bis-[4-(2.3-epoxy-propoxy)-phenyl]-propan	50-100%
EINECS: 216-823-5	Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin	
	Sens. 1, H317	
	Specific concentration limits: Eye Irrit. 2; H319: $C \ge 5$ %	
	Skin Irrit. 2; H315: C ≥ 5 %	
4 7 70.0 7 0 0		

• 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
- *After inhalation Supply fresh air and to be sure call for a doctor.*
- After skin contact Immediately wash with water and soap and rinse thoroughly.
- · After eye contact
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- *After swallowing If symptoms persist consult doctor.*
- · Information for doctor No further relevant information available.
- 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 Use fire extinguishing methods suitable to surrounding conditions.
- For safety reasons unsuitable extinguishing agents Water with full jet.
- $\cdot$  5.2 Special hazards arising from the substance or mixture
- Formation of toxic gases is possible during heating or in case of fire.
- 5.3 Advice for firefighters
- · Protective equipment: Self-contained respiratory protective device.

## **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 sewers/ surface or ground water.
- · 6.3 Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose 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 disposal information.

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## **SECTION 7: Handling and storage**

#### • 7.1 Precautions for safe handling

*Ensure good ventilation/exhaustion at the workplace. Observe normal care for working with chemicals.* 

- Information about fire and explosion protection: No special measures required.
- · Handling Product is intended for dental use only.
- 7.2 Conditions for safe storage, including any incompatibilities
- · Storage
- *Requirements to be met by storerooms and receptacles:* Store only in the original receptacle.
- · Information about storage in one common storage facility: Store away from oxidising agents.
- · Further information about storage conditions:
- Store in cool, dry conditions in well sealed receptacles.
- Protect from heat and direct sunlight.

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

#### **SECTION 8:** Exposure controls/personal protection

- · 8.1 Control parameters
- · Ingredients 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.

- Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- Appropriate engineering controls No further data; see item 7.
- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
- Respiratory protection: Not necessary if room is well-ventilated.
- · Hand protection



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

#### · Material of gloves

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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· Eye/face protection



Tightly sealed goggles.

· 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: Light yellow · Odour: Characteristic · Odour threshold: *Not determined.* • Melting point/freezing point: undetermined · Boiling point or initial boiling point and boiling range $> 200 \ ^{\circ}C$ · Flammability Not applicable. · Lower and upper explosion limit · Lower: Not determined. · Upper: Not determined. · Flash point: > 93 °C · Ignition temperature: *Not applicable* • Decomposition temperature: Not determined. • pH at 20 °C 8 · Viscosity: · Kinematic viscosity Not determined. · dynamic: Not determined. · Solubility · Water: Not miscible or difficult to mix · Partition coefficient n-octanol/water (log value) Not determined. • Vapour pressure at 20 °C: 23 hPa · Density and/or relative density • Density at 20 °C: 1.17 g/cm<sup>3</sup> · 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. • Auto-ignition temperature: Product is not selfigniting. · Explosive properties: Product does not present an explosion hazard. · Change in condition · Evaporation rate Not determined. · Information with regard to physical hazard classes Void · Explosives · Flammable gases Void · Aerosols Void · Oxidising gases Void · Gases under pressure Void · Flammable liquids Void · Flammable solids Void · Self-reactive substances and mixtures Void

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· Pyrophoric liquids	Void	
· Pyrophoric solids	Void	
Self-heating substances and mixtures	Void	
· Substances and mixtures, which emit flamma	ıble	
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.

- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known
- · 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials:
- strong bases

strong oxidants

strong acids

• 10.6 Hazardous decomposition products: No dangerous decomposition products known

## SECTION 11: Toxicological information

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

· Skin corrosion/irritation Causes skin irritation.

- · Serious eye damage/irritation Causes serious eye irritation.
- *Respiratory or skin sensitisation May cause an allergic skin reaction.*
- · 11.2 Information on other hazards

· Endocrine disrupting properties

CAS: 1675-54-3 2.2-Bis-[4-(2.3-epoxy-propoxy)-phenyl]-propan

List II

## **SECTION 12: Ecological information**

· 12.1 Toxicity

- · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- · 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 For information on endocrine disrupting properties see section 11.
- · 12.7 Other adverse effects
- · Remark: Toxic for fish
- Additional ecological information:
- · General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Also poisonous for fish and plankton in water bodies.

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Toxic for aquatic organisms

## SECTION 13: Disposal considerations

• 13.1 Waste treatment methods

· Recommendation



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

• Uncleaned packaging:

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

14.1 UN number or ID number	
ADR, IMDG, IATA	UN3082
14.2 UN proper shipping name	
ADR	3082 ENVIRONMENTALLY HAZARDOU
	SUBSTANCE, LIQUID, N.O.S. (2.2-Bis-[4-(2.3-epox
IMDG	propoxy)-phenyl]-propane) ENVIRONMENTALLY HAZARDOUS SUBSTANC
nin DG	LIQUID, N.O.S. (2.2-Bis-[4-(2.3-epoxy-propoxy
	phenyl]-propane), MARINE POLLUTANT
IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANC.
	LIQUID, N.O.S. (2.2-Bis-[4-(2.3-epoxy-propoxy
	phenyl]-propane)
14.3 Transport hazard class(es)	
ADR	
Class	9 (M6) Miscellaneous dangerous substances an articles.
Label	9
IMDG, IATA	
· Class	9 Miscellaneous dangerous substances and articles.
Label	9
14.4 Packing group	
ADR, IMDG, IATA	III
14.5 Environmental hazards:	
14.5 Environmental hazards: Marine pollutant: Special marking (ADR):	Symbol (fish and tree) Symbol (fish and tree)

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## Safety data sheet according to 1907/2006/EC, Article 31

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• 14.6 Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
• Hazard identification number (Kemler code):	90
· EMS Number:	F-A,S-F
· Stowage Category	A
· 14.7 Maritime transport in bulk according to IM	10
instruments	Not applicable.
· Transport/Additional information:	
· ADR	
· 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	(-)
· Remarks:	Exemption according to ADR special provision 375:
	This substance is not subject to the other provisions of
	the ADR if packed in net quantities of 5L or 5kg per
	individual or inner packaging, provided that sub-
	sections 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 are complied with.
· IMDG	51
· Limited quantities (LQ)	5L Code: El
• Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
	1 71 1 0 0
· UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS
	SUBSTANCE, LIQUID, N.O.S. (2.2-BIS-[4-(2.3- EPOXY-PROPOXY)-PHENYL]-PROPANE), 9, III
	LFOAT-FKOFOAT)-FFILNTLJ-FKOFANE), 9, III

### **SECTION 15: Regulatory information**

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

- Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- $\cdot$  Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The attached safety data sheet covers the dangers and measures to be taken when large quantities of material are released, for example due to accidents during transport or storage by the dealer. For quantities of material typically used in clinical practice, information necessary for safe use and storage of the product is given in the DFU.

## · Relevant phrases

H315 Causes skin irritation. H317 May cause an allergic skin reaction.

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<sup>·</sup> Directive 2012/18/EU

<sup>·</sup> Named dangerous substances - ANNEX I None of the ingredients is listed.

<sup>·</sup> Seveso category E2 Hazardous to the Aquatic Environment

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H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
<b>Department issuing SDS:</b> Research & Development
<b>Contact:</b> HotLine for urgent technical support: +49-7531-583-350
Abbreviations and acronyms:
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning th
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)
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 Shin Sama L. Shin aminingting Concerns L
Skin Sens. 1: Skin sensitisation – Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
* Data compared to the previous version altered.