

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.06.2023

Version number 4 (replaces version 3)

Revision: 14.12.2022

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

#### 1.1 Product identifier

Trade name **EPOXY SIC COLOR ESD KOMP B**

Article number: 0021683800

#### 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 Coating

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

##### Manufacturer/Supplier:

Remmers GmbH

Bernhard-Remmers-Str. 13  
D-49624 Lönningen / Germany

Tel.: +49(0)5432/83-0

Fax: +49(0)5432/3985

Remmers (UK) Limited  
Unit 4 , Lloyds Court  
Manor Royal, Crawley – West Sussex RH10 9QU  
fon +44 (0) 1293 594 010  
fax +44 (0) 1293 594 037

##### Information department:

Product Safety department: Phone: +44 (0) 1293 594 010

Email: sales@remmers.co.ukk

#### 1.4 Emergency telephone number:

National Poisons Information Service (NPIS):

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

24h-Transport Emergency Contact Phone Number:

within USA and Canada: 1-800-424-9300

outside USA and Canada: 001-703-527-3887

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Acute Tox. 4	H302 Harmful if swallowed.
Skin Corr. 1B	H314 Causes severe skin burns and eye damage.
Eye Dam. 1	H318 Causes serious eye damage.
Skin Sens. 1	H317 May cause an allergic skin reaction.
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



GHS05 GHS07

Signal word Danger

##### Hazard-determining components of labelling:

benzyl alcohol

m-phenylenebis(methylamine)

(Contd. on page 2)

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## Trade name EPOXY SIC COLOR ESD KOMP B

(Contd. of page 1)

3-aminomethyl-3,5,5-trimethylcyclohexylamine  
 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with m-phenylenebis(methylamine)  
 phenol, styrenated

### Hazard statements

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

### Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 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.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 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 the substances listed below with harmless additions.

Dangerous components [% w/w]:		
CAS: 100-51-6 EINECS: 202-859-9 Index number: 603-057-00-5 Reg.nr.: 01-2119492630-38-XXXX	benzyl alcohol ----- Acute Tox. 4, H302; Acute Tox. 4, H332	≥40-<50%
CAS: 2855-13-2 EINECS: 220-666-8 Index number: 612-067-00-9 Reg.nr.: 01-2119514687-32-XXXX	3-aminomethyl-3,5,5-trimethylcyclohexylamine Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1A, H317 ATE: LD50 oral: 1,030 mg/kg Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.001 %	≥20-<30%
CAS: 1477-55-0 EINECS: 216-032-5 Reg.nr.: 01-2119480150-50-XXXX	m-phenylenebis(methylamine) ----- Skin Corr. 1A, H314; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317; Aquatic Chronic 3, H412, EUH071	≥10-<20%
CAS: 113930-69-1 NLP: 500-302-7	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with m-phenylenebis(methylamine) ----- Acute Tox. 4, H302; Skin Sens. 1, H317	≥10-<20%
CAS: 69-72-7 EINECS: 200-712-3 Reg.nr.: 01-2119486984-17-XXXX	salicylic acid ----- Repr. 2, H361d; Eye Dam. 1, H318; Acute Tox. 4, H302	≥1-<2.5%
CAS: 61788-44-1 Reg.nr.: 01-2119980970-27-XXXX	phenol, styrenated ----- Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	≥1-<2.5%

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

(Contd. on page 3)

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Version number 4 (replaces version 3)

Revision: 14.12.2022

Trade name **EPOXY SIC COLOR ESD KOMP B**

(Contd. of page 2)

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

#### After inhalation

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** Wash immediately with water and soap and rinse thoroughly.

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

#### After swallowing

Call a doctor immediately.

Drink plenty of water and provide fresh air. Call a doctor immediately.

### 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

symptomatic treatment

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing agents** Use fire fighting measures that suit the environment.

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

Carbon monoxide (CO)

Carbon dioxide

Nitrogen oxides (NO<sub>x</sub>)

Under certain fire conditions, traces of other toxic substances cannot be excluded.

Formation of poisonous gases during heating or in fires.

### 5.3 Advice for firefighters

#### Protective equipment:

Wear self-contained breathing apparatus.

Wear full protective suit.

Put on breathing apparatus.

#### Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter drains.

Ensure adequate means of retaining the water used for extinguishing

## SECTION 6: Accidental release measures

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

Ensure adequate ventilation

Put on breathing apparatus.

Wear protective equipment. Keep unprotected persons away.

### 6.2 Environmental precautions:

Do not allow to enter the ground/soil.

Do not allow product to reach sewage system or water bodies.

Inform responsible authorities in case product reaches bodies of 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).

Use neutralising agent.

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.

(Contd. on page 4)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.06.2023

Version number 4 (replaces version 3)

Revision: 14.12.2022

Trade name **EPOXY SIC COLOR ESD KOMP B**

(Contd. of page 3)

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well ventilated areas.  
Ensure good ventilation/exhaust in workplaces.  
Avoid the formation of aerosols.

**Information about protection against explosions and fires:** Keep breathing equipment ready.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage

**Requirements to be met by storerooms and containers:** Store only in unopened original containers.

**Information on storage in a common storage facility:** Store away from food.

#### Further information about storage conditions:

Protect from frost.  
Keep container tightly closed.

## 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 limit values that have to be monitored at the workplace.

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

### 8.2 Exposure controls

**Appropriate engineering controls** Use only in well-ventilated areas.

#### Individual protection measures, such as personal protective equipment

##### General protective and hygienic measures

Do not eat, drink or smoke while working.  
Use skin protection cream for preventive skin protection.  
Keep away from food, beverages and animal feed.  
Immediately remove soiled, saturated clothing.  
Wash hands before pauses and after work.  
Avoid contact with eyes and skin.

The following indication regarding the personal protective equipment are to be considered as suggestions. The selection of the necessary personal protective equipment is to be evaluated by the employer depending on the types of operations and the local circumstances. If a risk assessment on-site shows that there is no risk for employees, the personal protective equipment is not required or the amount of the PPE can be adapted accordingly.

##### Respiratory equipment:

In case vapours/aerosols develop:

Filter A (brown)

Only use ambient air independent respiratory equipment in pits, shafts and silos!

In case of brief exposure or low pollution load, use respiratory protection equipment with filter. In case of intensive or longer exposure, use self-contained respiratory protection equipment.

##### 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

Nitrile rubber, NBR

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 determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

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

(Contd. on page 5)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.06.2023

Version number 4 (replaces version 3)

Revision: 14.12.2022

Trade name **EPOXY SIC COLOR ESD KOMP B**

(Contd. of page 4)

**Eye/face protection** Tightly sealed safety glasses.**Body protection:** Closed work clothing

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

<b>Physical state</b>	Fluid
<b>Colour:</b>	clear
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	Not determined
<b>Boiling point or initial boiling point and boiling range</b>	>200 °C
<b>Flammability</b>	Not applicable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	1.2 Vol %
<b>Upper:</b>	13 Vol %
<b>Flash point:</b>	>100 °C
<b>Ignition temperature:</b>	380 °C 380 °C
<b>Decomposition temperature:</b>	Not determined.
<b>pH</b>	Mixture is non-soluble (in water).
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>dynamic at 20 °C:</b>	130 mPas
<b>Solubility</b>	
<b>Water:</b>	Partly miscible
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure at 20 °C:</b>	0.1 hPa 0.1 hPa
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	1.053 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.

### 9.2 Other information

<b>Appearance:</b>	
<b>Form:</b>	Fluid
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Explosive properties:</b>	Product is not explosive.
<b>Solvent separation test</b>	< 3 %
<b>VOC EU</b>	219.4 g/l
<b>Change in condition</b>	
<b>Evaporation rate</b>	Not determined.

### Information with regard to physical hazard classes

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void

(Contd. on page 6)

# Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 4 (replaces version 3)

Revision: 14.12.2022

Trade name **EPOXY SIC COLOR ESD KOMP B**

(Contd. of page 5)

<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	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:

Carbon monoxide and carbon dioxide

Nitrogen oxides (NO<sub>x</sub>)

Poisonous gases/vapours

## \* SECTION 11: Toxicological information

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

**Acute toxicity:** Harmful if swallowed.

<b>LD/LC50 values that are relevant for classification:</b>		
<b>CAS: 100-51-6 benzyl alcohol</b>		
Oral	LD50	1,620 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
<b>CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine</b>		
Oral	LD50	1,030 mg/kg (ATE)
		1,030 mg/kg (rat)
Dermal	LD50	1,840 mg/kg (rabbit)
<b>CAS: 1477-55-0 m-phenylenebis(methylamine)</b>		
Oral	LD50	930 mg/kg (rat)
Dermal	LD50	>3,100 mg/kg (rabbit)

**Skin corrosion/irritation:** Causes severe skin burns and eye damage.

### Serious eye damage/irritation:

Caustic effect

Causes serious eye damage.

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

**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

<b>Endocrine disrupting properties</b>
None of the ingredients is listed.

(Contd. on page 7)

# Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 4 (replaces version 3)

Revision: 14.12.2022

Trade name **EPOXY SIC COLOR ESD KOMP B**

(Contd. of page 6)

## \* SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity:

<b>CAS: 1477-55-0 m-phenylenebis(methylamine)</b>
EC50/48h   15.2 mg/l (Daphnia magna)

**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:** Harmful to fish

#### Additional ecological information:

##### General notes:

Do not allow undiluted or non-neutralised product to reach the sewage system or receiving waters.

Do not allow product to reach ground water, bodies of water or sewage system.

Hazardous to drinking water even if small quantities leak into soil.

Harmful to aquatic organisms

## \* SECTION 13: Disposal considerations

### Recommendation

Not hardened material must be disposed of as hazardous waste according to official regulations.

Hardened product remains may be disposed of as building rubble or put into household garbage.

The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

#### European waste catalogue

08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
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#### Uncleaned packaging:

##### Recommendation:

Disposal must be made according to official regulations.

Packaging can be reused or recycled after cleaning.

## \* SECTION 14: Transport information

### 14.1 UN number or ID number

ADR, IMDG, IATA

UN2735

### 14.2 UN proper shipping name

ADR

2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S.  
(3-aminomethyl-3,5,5-trimethylcyclohexylamine)

IMDG, IATA

POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3-aminomethyl-3,5,5-trimethylcyclohexylamine)

### 14.3 Transport hazard class(es)

ADR



Class

8 (C7) Corrosive substances.

(Contd. on page 8)

# Safety data sheet

according to 1907/2006/EC, Article 31


Printing date 19.06.2023

Version number 4 (replaces version 3)

Revision: 14.12.2022

Trade name **EPOXY SIC COLOR ESD KOMP B**

(Contd. of page 7)

<b>Label</b>	8
<b>IMDG, IATA</b>	
	
<b>Class</b>	8 Corrosive substances.
<b>Label</b>	8
<b>14.4 Packing group ADR, IMDG, IATA</b>	III
<b>14.5 Environmental hazards: Marine pollutant:</b>	No
<b>14.6 Special precautions for user hazard identification number: EMS Number: Segregation groups</b>	Warning: Corrosive substances. 80 F-A,S-B (SGG18) Alkalis
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
<b>Transport/Additional information:</b>	
<b>ADR Limited quantities (LQ) Excepted quantities (EQ)</b>	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>Transport category Tunnel restriction code</b>	3 E
<b>UN "Model Regulation":</b>	UN 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3-AMINOMETHYL-3,5,5- TRIMETHYLCYCLOHEXYLAMINE), 8, 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.

**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.

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

## SECTION 16: Other information

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship. Delivery specifications are found in the respective Technical Information Sheets.

(Contd. on page 9)



# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.06.2023

Version number 4 (replaces version 3)

Revision: 14.12.2022

**Trade name EPOXY SIC COLOR ESD KOMP B**

(Contd. of page 8)

**Relevant phrases**

H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H332 Harmful if inhaled.  
H361d Suspected of damaging the unborn child.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.  
EUH071 Corrosive to the respiratory tract.

**Classification according to Regulation (EC) No 1272/2008** Calculation method**Department issuing data specification sheet:** Product Safety department / EHS**Date of previous version:** 20.04.2020**Version number of previous version:** 3**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  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Corr. 1A: Skin corrosion/irritation – Category 1A  
Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Skin Sens. 1: Skin sensitisation – Category 1  
Skin Sens. 1A: Skin sensitisation – Category 1A  
Repr. 2: Reproductive toxicity – Category 2  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3