Safety data sheet
according to UK REACH

Printing date 25.06.2025 *Version number 10 (replaces version 9)* *Revision: 25.06.2025*

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

· **1.1 Product identifier**

· **Trade name: AQUAFIN-EPOX-B (A-Komp.)**
· **UFI:** EAV0-4089-300F-6P3M
· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
· **Sector of Use** SU19 Building and construction work
· **Application of the substance / the mixture** Construction chemicals
· **Uses advised against** Applications not mentioned above are not recommended.

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
SCHOMBURG GmbH & Co. KG
Aquafinstr. 2-8
D-32760 Detmold
Detmold, Germany

Tel: ++49 (0)5231/953-00
Fax: ++49 (0)5231/953-123
Internet: www.schomburg.de

· **Informing department:**
Department: Environment and Safety
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If you have any questions about the Environment and Safety Department, please contact our department.

e-mail: SDB@schomburg.de
· **1.4 Emergency telephone number:**
Poison centre Berlin (24 hours)
German & English
Tel: ++49 (0)30/30686700

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**

GHS08 health hazard

Repr. 1B H360F May damage fertility.

GHS07

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 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, GHS08

(Contd. on page 2)

(Contd. of page 1)

· **Signal word** Danger

· **Hazard-determining components of labelling:**
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane
1,4-bis(2,3-epoxypropoxy)butane
1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane
decarboxylating cashew nut shell liquid

· **Hazard statements**
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H360F May damage fertility.
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/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.

· **2.3 Other hazards** Not anwendbar.

· **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 and non-hazardous additions.

· **Dangerous components:**

CAS: 1675-54-3 EINECS: 216-823-5 Index number: 603-073-00-2	2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] bisoxirane Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5 % Eye Irrit. 2; H319: C ≥ 5 %	10-25%
CAS: 17557-23-2 EINECS: 241-536-7 Index number: 603-094-00-7	1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane Skin Irrit. 2, H315; Skin Sens. 1, H317	2.5-10%
CAS: 2425-79-8 EINECS: 219-371-7 Index number: 603-072-00-7	1,4-bis(2,3-epoxypropoxy)butane Repr. 1B, H360F; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	0-10%
CAS: 13463-67-7	titanium dioxide Carc. 2, H351	<2.5%
CAS: 8007-24-7	decarboxylating cashew nut shell liquid Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Skin Sens. 1, H317	0-<2.5%

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

(Contd. on page 3)

(Contd. of page 2)

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SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **General information**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
Personal protection for the First Aider.
It is possible to choke in case of vomiting in unconsciousness.
Bring unconscious persons into a stable position on side.
Keep the respiratory tract free (remove dentures and vomiting).
Check the pulse. In case of heart failure you have to make a cardiac massage. In case of stoppage of breathing: artificial respiration.
Take up a doctor immediately!
· **After inhalation**
Supply fresh air or oxygen; call for doctor.
Supply fresh air and call for doctor for safety reasons.
· **After skin contact**
Instantly wash with water and soap and rinse thoroughly.
Change immediately contaminated clothes.
Don't use solvents to clean the skin.
· **After eye contact**
Gently rinse the eyes under running water for at least 10 minutes with the eyelids open. If possible, remove any contact lenses and continue rinsing. Consult a doctor.
· **After swallowing**
Show the packaging or the label to the doctor.
Drink copious amounts of water. Avert vomiting. Instantly call for doctor.
· **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.
Use fire fighting measures that suit the environment.
· **5.2 Special hazards arising from the substance or mixture**
Formation of poisonous gases during heating or in fires.
· **5.3 Advice for firefighters**
· **Protective equipment:** Wear self-contained breathing apparatus.
· **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Follow the emergency-plan.
Burst- and explosion-danger by increasing pressure.
In case of fire chill the container with water spray.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Bring persons out of danger.
Wear protective equipment. Keep unprotected persons away.
Wear protective clothing.
· **6.2 Environmental precautions:**
Do not allow product to reach sewage system or water bodies.
Inform respective authorities in case product reaches water or sewage system.

(Contd. on page 4)

(Contd. of page 3)

· **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
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.

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SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
Keep away from heat and direct sunlight.
Ensure good ventilation/extraction at the workplace.
Prevent formation of aerosols.
Keep out of the reach of children
· **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 container tightly closed. Store in a place that is only accessible to authorised persons.
· **Information about storage in one common storage facility:**
Please follow the rules of the VCI-Storage-Concept for chemicals.
· **Further information about storage conditions:**
Protect from frost.
Keep container tightly sealed.
Store in cool, dry conditions in well sealed containers.
Store in a locked cabinet and out of the reach of children.
· **7.3 Specific end use(s)** No further relevant information available.

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SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**
· **Components with critical 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 that were valid during the compilation were used as basis.

· **8.2 Exposure controls**
· **Appropriate engineering controls**
It must be possible to wash the skin in the working area.
Eye-wash bottle must be available.
· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures**
Clean skin only with cleaning agent especially for epoxy resin.
Don't use solvent for skin cleaning!
Clean clothes which are contaminate with epoxi resin before unsing again.
The usual precautionary measures should be adhered to in handling the chemicals.
Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.
Avoid contact with the eyes and skin.
Do not eat, drink or smoke while working.
Use skin protection cream for preventive skin protection.
Be sure to clean skin thoroughly after work and before breaks.
· **Breathing equipment:**
If the occupational exposure limit values are exceeded, suitable respiratory protective equipment must be worn. If there are no occupational exposure limits, adequate respiratory protection measures must be taken if aerosols and mists are formed.

(Contd. on page 5)

(Contd. of page 4)

Respiratory protection is required in case of insufficient ventilation or when spraying.
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.
Gas filter A (brown) in unclear conditions or in confined, unventilated spaces. Wear combination filter A2-P2 (brown/white) when spraying.

· **Hand protection**
Hand Protection: Nitril-rubber-latex-gloves.
In case of wearing synthetic protective gloves use cotton-gloves as underwear.
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**
Nitril-rubber-latex-gloves II R: Thickness ≥ 0,5mm; Penetration time ≥ 480 min
Nitrile rubber II R : thickness ≥ 0.425mm; breakthrough time ≥ 480 min
When handling chemical substances, only chemical protective gloves with a CE mark including a four-digit test number may be worn. The design of chemical protective gloves must be depending on the concentration and quantity of hazardous substances. It is recommended recommended to clarify the chemical resistance of the above-mentioned protective gloves for special applications
with the glove manufacturer.
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.

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

· **Eye/face protection**
Suitable safety goggles in accordance with DIN EN 166.
In case of splashing use protecting basket-glasses.

· **Body protection:**
For all uncovered parts of the body, use non-fat or low-fat ointment for protection of the skin.
Protective work clothing.
Use an Overall of heavy cotton or non-returnable Tyvek/Saranex 23 P vleece.
Contaminated protection clothes must be cleaned carefully before reuse.

SECTION 9: Physical and chemical properties

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

· **General Information**	
· **Physical state**	Liquid
· **Colour:**	White
· **Smell:**	Type specific
· **Odour threshold:**	Not determined.
· **Melting point/freezing point:**	Not determined
· **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:**	Not applicable

(Contd. on page 6)

(Contd. of page 5)

· **Decomposition temperature:**	Not determined.
· **pH**	Not determined.
· **Viscosity:**	
· **Kinematic viscosity**	Not determined.
· **dynamic at 20 °C:**	4,900 mPas
· **Solubility**	
· **Water:**	Not miscible or difficult to mix
· **Partition coefficient n-octanol/water (log value)**	Not determined.
· **Steam pressure:**	Not determined.
· **Density and/or relative density**	
· **Density at 20 °C**	1.4 g/cm³
· **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.
· **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.

(Contd. on page 7)

(Contd. of page 6)

· **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**
· **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-phenyleneoxymethylene)]bisoxirane

Oral	LD50	>15,000 mg/kg (rats)
Dermal	LD50	23,000 mg/kg (Kan)

2425-79-8 1,4-bis(2,3-epoxypropoxy)butane

Oral	LD50	1,163 mg/kg (rats) (OECD 401)
Dermal	LD50	>2,150 mg/kg (Kan) (OECD 402)
	EC/LC50 (24h)	75 mg/l (Daphnia (acute) toxicity) (OECD 202)

13463-67-7 titanium dioxide

Oral	LD50	>5,000 mg/kg (rats)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	6.8 mg/l (rats)

8007-24-7 decarboxylating cashew nut shell liquid

Oral	LD50	5,000 mg/kg (rats) (OECD 423)
Dermal	LD50	>2,000 mg/kg (rats) (OECD 402)

· **Primary irritant effect:**
· **Skin corrosion/irritation**
The product has an irritate-effect.
Causes skin irritation.
· **Serious eye damage/irritation** Causes serious eye irritation.
· **Respiratory or skin sensitisation** May cause an allergic skin reaction.
· **Reproductive toxicity** May damage fertility.
· **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-phenyleneoxymethylene)]bisoxirane

LC50/96h	2 mg/l (for)
EC50 (48h) (static)	1.8 mg/l (Daphnia magna)
ERC50 (static)	11 mg/l /72h (Scenedesmus capricornutum)
IC50	>42.6 mg/l /18h (bacterial toxicity)

2425-79-8 1,4-bis(2,3-epoxypropoxy)butane

LC50/96h	19.8 mg/l (fish toxicity) (OECD 203)
EC/LC50 (72h)	160 mg/l (Pseudokirchneriella subcapitata) (OECD 201)

13463-67-7 titanium dioxide

LC 0	48 mg/l (Leuciscus idus)
EC0	30 mg/l (Daphnia magna)
	24 mg/l (Pseudomonas flourescens)

(Contd. on page 8)

(Contd. of page 7)

8007-24-7 decarboxylating cashew nut shell liquid

EC/LC50 (72h)	1,300 mg/l (Skeletonema costatum)
LL50	>1,000 mg/l (fish toxicity) ((96 h))

· **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**
· **Additional ecological information:**
· **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water.
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**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· **14.1 UN number or ID number**	
· **ADR, IMDG, IATA**	Void
· **14.2 UN proper shipping name**	
· **ADR, IMDG, IATA**	Void
· **14.3 Transport hazard class(es)**	
· **ADR, ADN, IMDG, IATA**	
· **Class**	Void
· **14.4 Packing group**	
· **ADR, IMDG, IATA**	Void
· **14.5 Environmental hazards:**	Not applicable.
· **14.6 Special precautions for user**	Not applicable.
· **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable.
· **UN "Model Regulation":**	Void

(Contd. on page 9)

(Contd. of page 8)

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Poisons Act**
· **Regulated explosives precursors**
None of the ingredients is listed.
· **Regulated poisons**
None of the ingredients is listed.
· **Reportable explosives precursors**
None of the ingredients is listed.
· **Reportable poisons**
None of the ingredients is listed.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

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.

· **Relevant phrases**
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H351 Suspected of causing cancer.
H360F May damage fertility.
H411 Toxic to aquatic life with long lasting effects.

· **Department issuing data specification sheet:** Environment protection department.
· **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 Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Carc. 2: Carcinogenicity – Category 2
Repr. 1B: Reproductive toxicity – Category 1B
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
· *** Data compared to the previous version altered.**