

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



**Trade name :** Floortec 2K-Basecon 825 (Komponente A)  
**Revision date :** 22.06.2021  
**Print date :** 22.06.2021

**Version (Revision) :** 2.0.0 (1.0.0)

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

### 1.1 Product identifier

Floortec 2K-Basecon 825 (Komponente A)

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

#### Relevant identified uses

##### Products Category [PC]

PC9 - Coatings and paints, fillers, putties, thinners

#### Uses advised against

There are no information about relevant identified uses of the product according to the Regulation (EC) No. 1907/2006 (REACH-Regulation), which are advised against. For using the product observe the information in the Technical data sheet of the product.

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

#### Supplier (manufacturer/importer/only representative/downstream user/distributor)

Brillux GmbH & Co KG  
www.brillux.de

**Street :** Weseler Straße 401

**Postal code/city :** D - 48163 Münster

**Telephone :** +49 (0)251-7188-0

**Telefax :** +49 (0)251-7188-280

#### Information contact :

Electronic mail address of the well-informed person for safety data sheets:sdb@brillux.de

### 1.4 Emergency telephone number

Outside the business hours (9 a.m. to 5 p.m.):

(Giftinformationszentrum-Nord, Göttingen, consultation in german or english language)

Telephone: +49 (0)551-19240.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

Skin Corr. 1B ; H314 - Skin corrosion/irritation : Category 1B ; Causes severe skin burns and eye damage.

### 2.2 Label elements

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

##### Hazard pictograms



Corrosion (GHS05)

##### Signal word

Danger

##### Hazard components for labelling

OXRIANE, REACTIONPRODUCTS WITH AMMONIA, N-BENZYL DERIVATIVES ; CAS No. : 1191251-49-6

##### Hazard statements

H314 Causes severe skin burns and eye damage.

##### Precautionary statements

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P102	Keep out of reach of children.
P260	Do not breathe mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P310	Immediately call a POISON CENTER or a doctor.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P501	Dispose of contents/container to approved disposal company or local collection.

### 2.3 Other hazards

#### Adverse environmental effects

The product does not contain any substances, which fulfil the criteria for PBT or vPvB in accordance with the Annex XIII of the Regulation (EC) No 1907/2006 (REACH-Regulation).

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Description

Mixture based on components, which are called following, and other components.

#### Hazardous ingredients

OXRIANE, REACTIONPRODUCTS WITH AMMONIA, N-BENZYL DERIVATIVES ; CAS No. : 1191251-49-6

Weight fraction :  $\geq 25 - < 50 \%$

Classification 1272/2008 [CLP] : Skin Corr. 1C ; H314 Eye Dam. 1 ; H318

#### Additional information

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Immediately remove all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. If unconscious no administration by mouth, storage in recovery position and seek medical advice. If medical advice is needed, have product container or label at hand.

#### Following inhalation

When symptoms persists, take the casualty into the fresh air and keep warm. Irregular breathing/no breathing: artificial respiration.

#### In case of skin contact

Take off immediately all contaminated clothes. Wash away with soap and water and rinse. Do NOT use solvents or thinners. If skin irritation continues, consult a doctor.

#### After eye contact

Remove contact lenses, keep eyelids open. Rinse open eye immediately with plenty of running water. Seek medical advice if complaint continues.

#### After ingestion

Rinse mouth with plenty of water. Keep at rest. Do not induce vomiting. When swallowed immediately consult and show packing or label to physician.

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

Causes severe skin burns and eye damage.

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

No further relevant information available.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### **Suitable extinguishing media**

Adapt extinguishing measures to suit the environment.

#### **Unsuitable extinguishing media**

None known.

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

#### **Hazardous combustion products**

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

### 5.3 Advice for firefighters

#### **Special protective equipment for firefighters**

At a fire caused by the product a breathing apparatus with an independent source of air is to have ready and to use if necessary for the firefighting.

### 5.4 Additional information

Cool endangered containers with water in case of fire. Do not allow run-off from fire-fighting to enter drains or water courses.

## SECTION 6: Accidental release measures

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

Refer to protective measures listed in sections 7 and 8. Keep no protective persons away, personal should wear protective clothings. Avoid contact with eyes and skin.

### 6.2 Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations. Holding polluted washing water back and disposing of duly.

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

#### **For cleaning up**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Remove residue by rinsing thoroughly with water. The areas concerned cleaning with a customary water based cleaning agent, not using organic solvents if possible.

### 6.4 Reference to other sections

See Section 7 for information on safe handling.

You find information about the safety equipment of persons in the section 8, information about the refuse disposal in section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### **Protective measures**

Ensure a good ventilation in room and working area. For personal protection see Section 8. By mixing the components slowly, the container have to cover the product container to reduce the splashing danger. Working carefully and slowly when decanting the mixture in another container. Avoid contact with skin and eyes. Read label before use.

#### **Measures to prevent fire**

No special precautionary measure necessary. Cool endangered containers with water.

#### **Advices on general occupational hygiene**

While working do not eat, drink or smoke. Wash hands and face before breaks and after work and take a shower if necessary. Immediately remove all contaminated clothing. Do not get in eyes, on skin, or on clothing.

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

#### **Requirements for storage rooms and vessels**

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Keep container tightly in a dry, cool and good ventilated place. Do not store the product in lounge room. Keep only in the original container. Protect against frost. Keep out of the reach of children.

### Hints on joint storage

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. Store away from foodstuffs.

**Storage class (TRGS 510) :** 8A

### Further information on storage conditions

Keep container tightly sealed. Store at 5°-35°C. Containers should be kept dry and sealed.

## 7.3 Specific end use(s)

For using the product observe the information in the Technical data sheet of the product.

### Industrial sector specific solutions

**GISCODE :** Product code in accordance with GISBAU (hazardous materials information system of the German professional associations of the building and construction industry) for epoxy resin coating cloths (GISCODE): RE20.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

None

### 8.2 Exposure controls

#### Appropriate engineering controls

Observe data available of section 7. Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

#### Personal protection equipment

##### Eye/face protection

Use safety glasses.

##### Skin protection

###### Hand protection

At use as agreed a protective gloves from nitrile rubber, tested according to EN 374, with a material thickness 0,38 mm has to be used. Notes of the manufacturer have to be taken into account. Penetration time of the glove material: > = 8 h.

By longer or repeated contact the penetration times can be considerably shorter. The protective gloves should be replaced after the first wear out or a damage of the gloves. Gloves of cotton should be used under the gloves of polychloropren or nitrile rubber. After washing hands replace lost skin fat by fat containing skin creams.

###### Body protection

Using protective clothing.

##### Respiratory protection

Breathing protection equipment is not required in good ventilated places. In case of insufficient ventilation or longer exposure, wear suitable respiratory equipment. Use the combination filter mask A2 - P3. Do not inhale the vapour.

#### General information

Avoid contact with eyes and skin. Immediately remove all contaminated clothing. Do not eat or drink during work - no smoking. Keep away from food, drink and animal feeding stuff. Wash hands before breaks and after work. Ensure a good ventilation in room and working area. Do not breathe vapour.

#### Environmental exposure controls

The product should not reach waters and the ground. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state :** Liquid.

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**Colour** : conformable to product designation.

## Odour

characteristic

## Safety characteristics

<b>Initial boiling point and boiling range :</b>	( 1013 hPa )	100	°C
<b>Flash point :</b>		not applicable	
<b>Auto-ignition temperature :</b>		not determined	
<b>Lower explosion limit :</b>		not determined	
<b>Upper explosion limit :</b>		not determined	
<b>Vapour pressure:</b>	( 20 °C )	not determined	
<b>Density :</b>	( 20 °C )	approx.	1 g/cm <sup>3</sup>
<b>Water solubility :</b>	( 20 °C )	consolute miscible	
<b>pH :</b>		10	
<b>Viscosity :</b>	( 20 °C )	700	mPa*s
<b>VOC-value :</b>		max. 1	g/l

## 9.2 Other information

The mentioned VOC value refers to the mixture of the product, incl. harder, ready for use. Other physical and chemical data have not been determined.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangers connected by a possible reactivity of the product are known to proper handling and storage.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

### 10.3 Possibility of hazardous reactions

No dangerous reactions are known if stored and handled the product correctly.  
Particularly larger quantities of the 2C-Mixture material could get hot by the progressive polyaddition, if the mixture would not using. Carbon monoxide, carbon dioxide and nitric oxides could arise.

### 10.4 Conditions to avoid

Keep away from frost, heat and direct sunlight.

### 10.5 Incompatible materials

No dangerous reaction known. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

### 10.6 Hazardous decomposition products

No dangerous decomposition product are known if stored and handled correctly. When exposed to high temperatures or in case of fire hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen, may produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Acute toxicity:  
- Acute oral toxicity: No data available;  
- Acute dermal toxicity: No data available;  
- Acute inhalation toxicity: No data available.

#### Corrosion

Irritation:  
Causes severe skin burns and eye damage.

#### Respiratory or skin sensitisation

Sensitization: The product does not cause any skin and respiratory tract sensitization.

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### **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

The product is not classified as human germ cell mutagenic, carcinogenic or human reproductive toxic (CMR effects).

### **STOT-single exposure**

No risk expected.

### **STOT-repeated exposure**

No risk expected.

### **Aspiration hazard**

No risk expected.

## **11.4 Other adverse effects**

### **Other observations**

This product is unlikely to harm health, given normal and proper handling and hygienic precautions.

## **11.5 Additional information**

The product is classified in toxicological terms on the basis of the results of the calculation procedure outlined within the Regulation (EC) No 1272/2008 (CLP-Regulation), listed in sections 2 and 3.

At proper dealing and use as agreed the product does not cause any effects bad for health after our experiences and the information submitted to us.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

Acute or chronic damages to water organisms by the product in the aquatic environment are not expecting.

### **12.2 Persistence and degradability**

These are not data available about the potential of the product concerning his persistency and degradability.

### **12.3 Bioaccumulative potential**

These are not data available about the bio accumulation potential of the product.

No information about the individual components is available either.

### **12.4 Mobility in soil**

These are not datas available about the potential of the product concerning his mobility in the ground.

A penetrating into soil, waters and sewage system should be prevented.

### **12.5 Results of PBT and vPvB assessment**

This product does not contain any relevant substances which were classified as a PBT or vPvB-substance.

### **12.6 Other adverse effects**

No information available.

### **12.7 Additional ecotoxicological information**

Avoid exposing into ground, waterways and drainage.

The classification of the product is based on summation of classified components according to the Regulation (EC) No 1272/2008 (CLP-Regulation). See details in sections 2 and 3.

Danger of drinking water if even small quantities leak into soil.

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Product/Packaging disposal**

##### **Waste codes/waste designations according to EWC/AVV**

##### **Waste code product**

Disposal-definition No. (AVV-Code): 08 01 11\* Paint and varnish waste which contains organic solvents or other dangerous substances.

##### **Waste code packaging**

Disposal-definition No. (AVV-Code):

15 01 10 \* packings which contain dangerous substances or are polluted by dangerous substances.

##### **Waste treatment options**

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### Appropriate disposal / Product

Dispose of contents/container to approved disposal company or local collection according to the local regulations. Do not dispose together with household garbage. Do not empty into waters or drains.

### Appropriate disposal / Package

Only empty packaging can be transferred to recycling. Uncleaned packaging must be disposed of in the same manner as the medium.

## SECTION 14: Transport information

### 14.1 UN number

UN 2735

### 14.2 UN proper shipping name

#### Land transport (ADR/RID)

AMINES, LIQUID, CORROSIVE, N.O.S. ( OXRIANE, REACTIONPRODUCTS WITH AMMONIA, N-BENZYL DERIVATIVES )

#### Sea transport (IMDG)

POLYAMINES, LIQUID, CORROSIVE, N.O.S. ( OXRIANE, REACTIONPRODUCTS WITH AMMONIA, N-BENZYL DERIVATIVES )

#### Air transport (ICAO-TI / IATA-DGR)

POLYAMINES, LIQUID, CORROSIVE, N.O.S. ( OXRIANE, REACTIONPRODUCTS WITH AMMONIA, N-BENZYL DERIVATIVES )

### 14.3 Transport hazard class(es)

#### Land transport (ADR/RID)

**Class(es) :** 8  
**Classification code :** C7  
**Hazard identification number (Kemler No.) :** 80  
**Tunnel restriction code :** E  
**Special provisions :** LQ 5 I · E 1  
**Hazard label(s) :** 8

#### Sea transport (IMDG)

**Class(es) :** 8  
**EmS-No. :** F-A / S-B  
**Special provisions :** LQ 5 I · E 1  
**Hazard label(s) :** 8

#### Air transport (ICAO-TI / IATA-DGR)

**Class(es) :** 8  
**Hazard label(s) :** 8

### 14.4 Packing group

III

### 14.5 Environmental hazards

**Land transport (ADR/RID) :** No

**Sea transport (IMDG) :** No

**Air transport (ICAO-TI / IATA-DGR) :** No

### 14.6 Special precautions for user

None

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant because the product in type of delivery does not transport in bulks according to the International Maritime Organization (IMO) instruments.

## SECTION 15: Regulatory information

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

**EU legislation**

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### Other regulations (EU)

#### Directive 2004/42/EC on the limitation of emissions of volatile organic compounds

Product sub-category and VOC limiting values in accordance with appendix II, letter A of the guideline:

Category j, type WB;

VOC limiting value of the category for 2010: 140 g/l.

This product contains max. 1 g/l VOC (preparation ready for use).

### National regulations

#### Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to AwSV

#### Additional information

The product is not classified as a solid substance according to the criteria of the Penetrometer test (ADR, part 2, section 2.3.4) and also fulfils not the criteria for solid substances according to the TRwS 779 number 2.1.1.

## 15.2 Chemical safety assessment

A chemical safety assessments was not carried out.

## SECTION 16: Other information

### 16.1 Indication of changes

None

### 16.2 Abbreviations and acronyms

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route)

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany) AOX: Adsorbable Organic halogen compounds

ATEmix: Calculated acute toxicity estimate of mixture

BCF: Bio-Concentration Factor

CAS: Chemical Abstract Service

CLP: Classification, Labelling and Packaging

CMR: Substances classified as Carcinogenic, Mutagenic or toxic for Reproduction

CSR: Chemical Safety Report

DNEL: Derived No Effect Level

EC: European Commission

EC50: Effective Concentration 50%

ECHA: European Chemical Agency

EEC: European Economic Community

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

EWC: European Waste Catalogue

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IC50: Inhibition Concentration 50%

IMDG Code: International Maritime Dangerous Goods Code

IMO: International Maritime Organization

LC50: Lethal concentration 50%

LD50: Lethal Dose 50%

LOAEL: Lowest Observed Adverse Effect Level

LOEL: Lowest observable effect level

MAK: Treshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG)

MARPOL: Convention for the Prevention of Marine Pollution from Ships

MVZ: molar ratio

n.a.: Not applicable

n.d.: Not determined

n.r.: Not relevant

NLP: No Longer Polymers

NOAEC: No Observed Adverse Effect Concentration



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NOAEL: No Observed Adverse Effect Level  
NOEC: No Observed Effect Concentration  
NOEL: No Observed Effect Level  
OEL: Occupational Exposure Limit  
PBT: Persistent, bioaccumulative, toxic  
PNEC: Predicted No Effect Concentration  
RCP: Reciprocal calculation procedure  
REACH: Registration, Evaluation and Authorization of Chemical  
RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer)  
STEL: Short-term Exposure Limit  
SVHC: Substance of Very High Concern  
TLV - TWA: Threshold Limit Value - Time Weighted Average  
VOC: Volatile Organic Compounds  
vPvB: Very persistent, very bioaccumulative.

### 16.3 Key literature references and sources for data

None

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The evaluation of hazard information of the product was carried out in accordance to Annex I of the REGULATION (EC) No 1272/2008 (CLP Regulation).

### 16.5 Relevant H- and EUH-phrases (Number and full text)

H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.

### 16.6 Training advice

None

### 16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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

#### 1.1 Product identifier

Floortec 2K-Basecon 825 (Komponente B)

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

##### Relevant identified uses

###### Products Category [PC]

PC9 - Coatings and paints, fillers, putties, thinners

##### Uses advised against

There are no information about relevant identified uses of the product according to the Regulation (EC) No. 1907/2006 (REACH-Regulation), which are advised against. For using the product observe the information in the Technical data sheet of the product.

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

##### Supplier (manufacturer/importer/only representative/downstream user/distributor)

Brillux GmbH & Co KG  
www.brillux.de

**Street :** Weseler Straße 401

**Postal code/city :** D - 48163 Münster

**Telephone :** +49 (0)251-7188-0

**Telefax :** +49 (0)251-7188-280

##### Information contact :

Electronic mail address of the well-informed person for safety data sheets:sdb@brillux.de

#### 1.4 Emergency telephone number

Outside the business hours (9 a.m. to 5 p.m.):

(Giftinformationszentrum-Nord, Göttingen, consultation in german or english language)

Telephone: +49 (0)551-19240.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Aquatic Chronic 2 ; H411 - Hazardous to the aquatic environment : Chronic 2 ; Toxic to aquatic life with long lasting effects.

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

#### 2.2 Label elements

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

###### Hazard pictograms



Environment (GHS09) · Exclamation mark (GHS07)

##### Signal word

Warning

##### Hazard components for labelling

2,2'-[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS OXIRANE ; CAS No. : 1675-54-3

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OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS ; CAS No. : 68609-97-2  
FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE AND PHENOL ; CAS No. : 9003-36-5

### Hazard statements

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

### Precautionary statements

P102 Keep out of reach of children.  
P261 Avoid breathing vapours.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P391 Collect spillage.  
P501 Dispose of contents/container to approved disposal company or local collection.

### Special rules for supplemental label elements for certain mixtures

EUH205 Contains epoxy constituents. May produce an allergic reaction.

## 2.3 Other hazards

### Adverse environmental effects

The product does not contain any substances, which fulfil the criteria for PBT or vPvB in accordance with the Annex XIII of the Regulation (EC) No 1907/2006 (REACH-Regulation).

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Description

Mixture based on components, which are called following, and other components.

#### Hazardous ingredients

2,2'-[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS OXIRANE ; REACH No. : 01-2119456619-26 ; EC No. : 216-823-5; CAS No. : 1675-54-3

Weight fraction :  $\geq 50 - < 100 \%$   
Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Eye Irrit. 2 ; H319 Aquatic Chronic 2 ; H411

OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS ; REACH No. : 01-2119485289-22 ; EC No. : 271-846-8; CAS No. : 68609-97-2

Weight fraction :  $\geq 10 - < 25 \%$   
Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317

FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE AND PHENOL ; CAS No. : 9003-36-5

Weight fraction :  $\geq 10 - < 25 \%$   
Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Aquatic Chronic 2 ; H411

#### Additional information

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

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### **General information**

Immediately remove all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. In case of unconsciousness: lay on side - call a doctor. Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand.

### **Following inhalation**

When symptoms persists, take the casualty into the fresh air and keep warm. Irregular breathing/no breathing: artificial respiration.

### **In case of skin contact**

Take off immediately all contaminated clothes. Wash away with soap and water and rinse. Do NOT use solvents or thinners. If skin irritation continues, consult a doctor.

### **After eye contact**

Remove contact lenses, keep eyelids open. Rinse open eye immediately with plenty of running water. Seek medical advice if complaint continues.

### **After ingestion**

Drink water in small draught. Keep at rest. Do not induce vomiting. When swallowed immediately consult and show packing or label to physician.

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

Potential symptoms: Skin and eye irritation are possible. Allergic symptoms.

## **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 media**

This product is not flammable. In case of a fire extinguish surroundings as indicated.

#### **Unsuitable extinguishing media**

None known.

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

#### **Hazardous combustion products**

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

### **5.3 Advice for firefighters**

#### **Special protective equipment for firefighters**

At a fire caused by the product a breathing apparatus with an independent source of air is to have ready and to use if necessary for the firefighting.

### **5.4 Additional information**

Cool endangered containers with water in case of fire. Do not allow run-off from fire-fighting to enter drains or water courses.

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

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

Refer to protective measures listed in sections 7 and 8. Keep no protective persons away, personal should wear protective clothings. Avoid contact with eyes and skin.

### **6.2 Environmental precautions**

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations. Holding polluted washing water back and disposing of duly.

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

#### **For cleaning up**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous

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earth and place in container for disposal according to local regulations (see section 13). Remove residue by rinsing thoroughly with water. The areas concerned cleaning with a customary water based cleaning agent, not using organic solvents if possible.

### 6.4 Reference to other sections

See Section 7 for information on safe handling.

You find information about the safety equipment of persons in the section 8, information about the refuse disposal in section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Protective measures

Ensure a good ventilation in room and working area. For personal protection see Section 8. By mixing the components slowly, the container have to cover the product container to reduce the splashing danger. Working carefully and slowly when decanting the mixture in another container. Avoid contact with skin and eyes. Read label before use.

#### Measures to prevent fire

No special precautionary measure necessary. Cool endangered containers with water.

#### Advices on general occupational hygiene

While working do not eat, drink or smoke. Wash hands and face before breaks and after work and take a shower if necessary. Immediately remove all contaminated clothing. Do not get in eyes, on skin, or on clothing.

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

#### Requirements for storage rooms and vessels

Keep container tightly in a dry, cool and good ventilated place. Do not store the product in lounge room. Keep only in the original container. Protect against frost. Keep out of the reach of children.

#### Hints on joint storage

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. Store away from foodstuffs.

**Storage class (TRGS 510) :** 10

#### Further information on storage conditions

Keep container tightly sealed. Store at 5°-35°C. Containers should be kept dry and sealed.

### 7.3 Specific end use(s)

For using the product observe the information in the Technical data sheet of the product.

#### Industrial sector specific solutions

**GISCODE :** Product code in accordance with GISBAU (hazardous materials information system of the German professional associations of the building and construction industry) for epoxy resin coating cloths (GISCODE): RE20.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### DNEL-/PNEC-values

##### DNEL/DMEL

Limit value type : DNEL Consumer (systemic) ( 2,2'-[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS OXIRANE ; CAS No. : 1675-54-3 )

Exposure route : Oral

Exposure frequency : Long-term

Limit value : 0,5 mg/kg

Safety factor : 1 D

Limit value type : DNEL Consumer (systemic) ( 2,2'-[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS OXIRANE ; CAS No. : 1675-54-3 )

Exposure route : Dermal

Exposure frequency : Long-term

Limit value : 0,0893 mg/kg

Safety factor : 1 D

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Limit value type : DNEL Consumer (systemic) ( 2,2'-[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS OXIRANE ; CAS No. : 1675-54-3 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 0,87 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( 2,2'-[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS OXIRANE ; CAS No. : 1675-54-3 )  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 0,75 mg/kg  
Safety factor : 1 D  
Limit value type : DNEL worker (systemic) ( 2,2'-[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS OXIRANE ; CAS No. : 1675-54-3 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 4,93 mg/m<sup>3</sup>

### PNEC

Limit value type : PNEC (Aquatic, freshwater) ( 2,2'-[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS OXIRANE ; CAS No. : 1675-54-3 )  
Exposure route : Water (Including sewage plant)  
Limit value : 0,006 mg/l  
Limit value type : PNEC (Aquatic, marine water) ( 2,2'-[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS OXIRANE ; CAS No. : 1675-54-3 )  
Exposure route : Water (Including sewage plant)  
Limit value : 0,001 mg/l  
Limit value type : PNEC (Sediment, freshwater) ( 2,2'-[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS OXIRANE ; CAS No. : 1675-54-3 )  
Exposure route : Water (Including sewage plant)  
Limit value : 0,341 mg/kg  
Limit value type : PNEC (Sediment, marine water) ( 2,2'-[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS OXIRANE ; CAS No. : 1675-54-3 )  
Exposure route : Water (Including sewage plant)  
Limit value : 0,034 mg/kg  
Limit value type : PNEC (Soil) ( 2,2'-[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS OXIRANE ; CAS No. : 1675-54-3 )  
Exposure route : Soil  
Limit value : 0,065 mg/kg dw  
Limit value type : PNEC (Secondary poisoning) ( 2,2'-[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS OXIRANE ; CAS No. : 1675-54-3 )  
Limit value : 11 mg/kg food  
Limit value type : PNEC (Sewage treatment plant) ( 2,2'-[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS OXIRANE ; CAS No. : 1675-54-3 )  
Exposure route : Water (Including sewage plant)  
Limit value : 10 mg/l

## 8.2 Exposure controls

### Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.  
Observe data available of section 7.

### Personal protection equipment

#### Eye/face protection

Use tightly fitting safety glasses.

#### Skin protection

##### Hand protection

At use as agreed a protective gloves from nitrile rubber, tested according to EN 374, with a material thickness 0,38 mm has to be used. Notes of the manufacturer have to be taken into account. Penetration time of the glove

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material: > = 8 h.

By longer or repeated contact the penetration times can be considerably shorter. The protective gloves should be replaced after the first wear out or a damage of the gloves. Gloves of cotton should be used under the gloves of polychloropren or nitrile rubber. After washing hands replace lost skin fat by fat containing skin creams.

### Body protection

Using protective clothing.

### Respiratory protection

Breathing protection equipment is not required in good ventilated places. In case of insufficient ventilation or longer exposure, wear suitable respiratory equipment. Use the combination filter mask A2 - P3. Do not inhale the vapour.

### General information

Avoid contact with eyes and skin. Immediately remove all contaminated clothing. Do not eat or drink during work - no smoking. Keep away from food, drink and animal feeding stuff. Wash hands before breaks and after work. Ensure a good ventilation in room and working area. Do not breathe vapour.

### Environmental exposure controls

The product should not reach waters and the ground. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state :** Liquid.

**Colour :** conformable to product designation.

#### Odour

characteristic

#### Safety characteristics

<b>Melting point/freezing point :</b>	( 1013 hPa )	not determined
<b>Initial boiling point and boiling range :</b>	( 1013 hPa )	200 °C
<b>Flash point :</b>		120 °C
<b>Auto-ignition temperature :</b>		not determined
<b>Lower explosion limit :</b>		not determined
<b>Upper explosion limit :</b>		not determined
<b>Vapour pressure:</b>	( 20 °C )	not applicable
<b>Density :</b>	( 20 °C )	approx. 1,12 g/cm <sup>3</sup>
<b>Water solubility :</b>	( 20 °C )	Not or littly mixable.
<b>Solid content :</b>		100 Wt %
<b>VOC-value :</b>	max.	1 g/l

### 9.2 Other information

The mentioned VOC value refers to the mixture of the product, incl. harder, ready for use. Other physical and chemical data have not been determined.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangers connected by a possible reactivity of the product are known to proper handling and storage.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

### 10.3 Possibility of hazardous reactions

No dangerous reactions are known if stored and handled the product correctly. Particularly larger quantities of the 2C-Mixture material could get hot by the progressive polyaddition, if the mixture would not using. Carbon monoxide, carbon dioxide and nitric oxides could arise.

### 10.4 Conditions to avoid

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Keep away from frost, heat and direct sunlight.

### 10.5 Incompatible materials

No dangerous reaction known. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

### 10.6 Hazardous decomposition products

No dangerous decomposition product are known if stored and handled correctly. When exposed to high temperatures or in case of fire hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen, may produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Acute toxicity:

- Acute oral toxicity: No data available;
- Acute dermal toxicity: No data available;
- Acute inhalation toxicity: No data available.

#### Acute oral toxicity

Parameter :	LD50 ( 2,2'-[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS OXIRANE ; CAS No. : 1675-54-3 )
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg
Parameter :	LD50 ( OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS ; CAS No. : 68609-97-2 )
Exposure route :	Oral
Species :	Rat
Effective dose :	30 mg/kg
Parameter :	LD50 ( FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE AND PHENOL ; CAS No. : 9003-36-5 )
Exposure route :	Oral
Species :	Rat
Effective dose :	> 9999 mg/kg

#### Acute dermal toxicity

Parameter :	LD50 ( 2,2'-[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS OXIRANE ; CAS No. : 1675-54-3 )
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 5000 mg/kg
Parameter :	LD50 ( FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE AND PHENOL ; CAS No. : 9003-36-5 )
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 2000 mg/kg

#### Acute inhalation toxicity

Parameter :	LC50 ( OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS ; CAS No. : 68609-97-2 )
Exposure route :	Inhalation
Species :	Rat
Effective dose :	> 0,15 mg/l
Exposure time :	7 h

### Corrosion

Irritation:

- Skin contact: Skin irritation.
- Eye contact: Causes serious eye irritation.



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### **Respiratory or skin sensitisation**

The product is labeled as skin sensitizing.

### **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

The product is not classified as human germ cell mutagenic, carcinogenic or human reproductive toxic (CMR effects).

### **STOT-single exposure**

No risk expected.

### **STOT-repeated exposure**

No risk expected.

### **Aspiration hazard**

No risk expected.

## **11.4 Other adverse effects**

### **Other observations**

This product is unlikely to harm health, given normal and proper handling and hygienic precautions.

## **11.5 Additional information**

The product is classified in toxicological terms on the basis of the results of the calculation procedure outlined within the Regulation (EC) No 1272/2008 (CLP-Regulation), listed in sections 2 and 3.

At proper dealing and use as agreed the product does not cause any effects bad for health after our experiences and the information submitted to us.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

#### **Aquatic toxicity**

Remark: Toxic for fishes.

##### **Acute (short-term) fish toxicity**

Parameter :	LC50 ( REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN), EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <= 700) ; CAS No. : 25068-38-6 )
Species :	Oncorhynchus mykiss (Rainbow trout)
Effective dose :	2 mg/l
Exposure time :	96 h
Parameter :	LC50 ( ALKYL (C12-C14) GLYCIDYL ETHER ; CAS No. : 68609-97-2 )
Species :	Oncorhynchus mykiss (Rainbow trout)
Effective dose :	> 5000 mg/l
Exposure time :	96 h
Parameter :	LC0 ( ALKYL (C12-C14) GLYCIDYL ETHER ; CAS No. : 68609-97-2 )
Species :	Lepomis macrochirus (Bluegill)
Effective dose :	1800 mg/l
Exposure time :	96 h

##### **Acute (short-term) toxicity to crustacea**

Parameter :	EC50 ( REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN), EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <= 700) ; CAS No. : 25068-38-6 )
Species :	Daphnia magna (Big water flea)
Effective dose :	1,8 mg/l
Exposure time :	48 h

##### **Chronic (long-term) toxicity to crustacea**

Parameter :	NOEC ( REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN), EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <= 700) ; CAS No. : 25068-38-6 )
Species :	Daphnia magna (Big water flea)
Effective dose :	0,3 mg/l
Exposure time :	21 D

##### **Acute (short-term) toxicity to aquatic algae and cyanobacteria**

Parameter :	ErC50 ( REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN), EPOXY
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Species : RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <= 700) ; CAS No. : 25068-38-6 )  
Effective dose : Selenastrum capricornutum  
11 mg/l  
Exposure time : 72 h  
Parameter : EbC50 ( ALKYL (C12-C14) GLYCIDYL ETHER ; CAS No. : 68609-97-2 )  
Species : Pseudokirchneriella subcapitata  
Effective dose : 843 mg/l  
Exposure time : 72 h

### Chronic (long-term) algae toxicity

Parameter : NOEC ( ALKYL (C12-C14) GLYCIDYL ETHER ; CAS No. : 68609-97-2 )  
Species : Pseudokirchneriella subcapitata  
Effective dose : 500 mg/l  
Exposure time : 72 h

### Toxicity to microorganisms

Parameter : EC50 ( REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN), EPOXY  
RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <= 700) ; CAS No. : 25068-38-6 )  
Species : Bacteria toxicity  
Effective dose : > 42,6 mg/l

## 12.2 Persistence and degradability

These are not data available about the potential of the product concerning his persistency and degradability.

## 12.3 Bioaccumulative potential

These are not data available about the bio accumulation potential of the product.  
No information about the individual components is available either.

## 12.4 Mobility in soil

These are not datas available about the potential of the product concerning his mobility in the ground.  
A penetrating into soil, waters and sewage system should be prevented.

## 12.5 Results of PBT and vPvB assessment

This product does not contain any relevant substances which were classified as a PBT or vPvB-substance.

## 12.6 Other adverse effects

No information available.

## 12.7 Additional ecotoxicological information

Avoid exposing into ground, waterways and drainage.  
The classification of the product is based on summation of classified components according to the Regulation (EC) No 1272/2008 (CLP-Regulation). See details in sections 2 and 3.  
Danger of drinking water if even small quantities leak into soil.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product/Packaging disposal

##### Waste codes/waste designations according to EWC/AVV

##### Waste code product

Disposal-definition No. (AVV-Code): 08 01 11\* Paint and varnish waste which contains organic solvents or other dangerous substances.

##### Waste code packaging

Disposal-definition No. (AVV-Code):  
15 01 10 \* packings which contain dangerous substances or are polluted by dangerous substances.

##### Waste treatment options

##### Appropriate disposal / Product

Dispose of contents/container to approved disposal company or local collection according to the local regulations.  
Do not dispose together with household garbage. Do not empty into waters or drains.

##### Appropriate disposal / Package

Only empty packaging can be transferred to recycling. Uncleaned packaging must be disposed of in the same manner as the medium.

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### SECTION 14: Transport information

#### 14.1 UN number

UN 3082

#### 14.2 UN proper shipping name

##### Land transport (ADR/RID)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( EPOXIDE RESIN )

##### Sea transport (IMDG)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( EPOXIDE RESIN )

##### Air transport (ICAO-TI / IATA-DGR)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( EPOXIDE RESIN )

#### 14.3 Transport hazard class(es)

##### Land transport (ADR/RID)

Class(es) : 9  
Classification code : M6  
Hazard identification number (Kemler No.) : 90  
Tunnel restriction code : E  
Special provisions : LQ 5 I · E 1  
Hazard label(s) : 9 / N

##### Sea transport (IMDG)

Class(es) : 9  
EmS-No. : F-A / S-F  
Special provisions : LQ 5 I · E 1  
Hazard label(s) : 9 / N

##### Air transport (ICAO-TI / IATA-DGR)

Class(es) : 9  
Hazard label(s) : 9 / N

#### 14.4 Packing group

III

#### 14.5 Environmental hazards

Land transport (ADR/RID) : Yes

Sea transport (IMDG) : Yes (P)

Air transport (ICAO-TI / IATA-DGR) : Yes

#### 14.6 Special precautions for user

None

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant because the product in type of delivery does not transport in bulks according to the International Maritime Organization (IMO) instruments.

#### 14.8 Additional information

The product when carried in packaging of max. 5 l or 5 kg, are not subject to any other provisions of ADR according to the amendment 375.

### SECTION 15: Regulatory information

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

##### EU legislation

##### Other regulations (EU)

##### Directive 2004/42/EC on the limitation of emissions of volatile organic compounds

Product sub-category and VOC limiting values in accordance with appendix II, letter A of the guideline:

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Category j, type Lb;  
VOC limiting value of the category for 2010: 500 g/l.  
This product contains max. 1 g/l VOC (preparation ready for use).

### National regulations

#### Water hazard class (WGK)

Class : 2 (Obviously hazardous to water) Classification according to AwSV

#### Additional information

The product is not classified as a solid substance according to the criteria of the Penetrometer test (ADR, part 2, section 2.3.4) and also fulfils not the criteria for solid substances according to the TRwS 779 number 2.1.1.

### 15.2 Chemical safety assessment

A chemical safety assessments was not carried out.

## SECTION 16: Other information

### 16.1 Indication of changes

None

### 16.2 Abbreviations and acronyms

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route)  
AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany) AOX: Adsorbable Organic halogen compounds  
ATEmix: Calculated acute toxicity estimate of mixture  
BCF: Bio-Concentration Factor  
CAS: Chemical Abstract Service  
CLP: Classification, Labelling and Packaging  
CMR: Substances classified as Carcinogenic, Mutagenic or toxic for Reproduction  
CSR: Chemical Safety Report  
DNEL: Derived No Effect Level  
EC: European Commission  
EC50: Effective Concentration 50%  
ECHA: European Chemical Agency  
EEC: European Economic Community  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
EWC: European Waste Catalogue  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
IC50: Inhibition Concentration 50%  
IMDG Code: International Maritime Dangerous Goods Code  
IMO: International Maritime Organization  
LC50: Lethal concentration 50%  
LD50: Lethal Dose 50%  
LOAEL: Lowest Observed Adverse Effect Level  
LOEL: Lowest observable effect level  
MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG)  
MARPOL: Convention for the Prevention of Marine Pollution from Ships  
MVZ: molar ratio  
n.a.: Not applicable  
n.d.: Not determined  
n.r.: Not relevant  
NLP: No Longer Polymers  
NOAEC: No Observed Adverse Effect Concentration  
NOAEL: No Observed Adverse Effect Level  
NOEC: No Observed Effect Concentration  
NOEL: No Observed Effect Level

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**Trade name :** Floortec 2K-Basecon 825 (Komponente B)  
**Revision date :** 22.06.2021  
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OEL: Occupational Exposure Limit  
PBT: Persistent, bioaccumulative, toxic  
PNEC: Predicted No Effect Concentration  
RCP: Reciprocal calculation procedure  
REACH: Registration, Evaluation and Authorization of Chemical)  
RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer)  
STEL: Short-term Exposure Limit  
SVHC: Substance of Very High Concern  
TLV - TWA: Threshold Limit Value - Time Weighted Average  
VOC: Volatile Organic Compounds  
vPvB: Very persistent, very bioaccumulative.

### 16.3 Key literature references and sources for data

None

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The evaluation of hazard information of the product was carried out in accordance to Annex I of the REGULATION (EC) No 1272/2008 (CLP Regulation).

### 16.5 Relevant H- and EUH-phrases (Number and full text)

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

### 16.6 Training advice

None

### 16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.