

Safety Data Sheet

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



Trade name : Floortec Epoxi-Härter 846
Floortec Epoxy Hardener 846
Revision date : 30.08.2016
Print date : 30.08.2016

Version (Revision) : 12.0.0 (11.0.0)

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

1.1 Product identifier

Floortec Epoxi-Härter 846
Floortec Epoxy Hardener 846

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

Relevant identified uses

Product Categories [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.):
(Giftnotruf Berlin, consultation in german or english language)
Telephone: +49 (0)30 30686 790.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Flam. Liq. 3 ; H226 - Flammable liquids : Category 3 ; Flammable liquid and vapour.

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

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

2.2 Label elements

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

Hazard pictograms



Flame (GHS02) · Corrosion (GHS05)

Signal word

Danger

Hazard components for labelling

BUTAN-1-OL ; CAS No. : 71-36-3

Hazard statements

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H226 Flammable liquid and vapour.
H318 Causes serious eye damage.
H315 Causes skin irritation.

Precautionary statements

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing vapours.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P310 Immediately call a POISON CENTER or a doctor
P332+P313 If skin irritation occurs: 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/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

Hardener for coatings based on epoxi resins;
Composition:
Polyamide, aromatic hydrocarbons, alcohols and additives.

Hazardous ingredients

XYLENE ; REACH registration No. : 01-2119488216-32 ; EC No. : 215-535-7; CAS No. : 1330-20-7

Weight fraction : $\geq 30 - < 35 \%$
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 STOT RE 2 ; H373 Acute Tox. 4 ; H312 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319 STOT SE 3 ; H335

BUTAN-1-OL ; REACH registration No. : 01-2119484630-38 ; EC No. : 200-751-6; CAS No. : 71-36-3

Weight fraction : $\geq 5 - < 10 \%$
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Skin Irrit. 2 ; H315 STOT SE 3 ; H335 STOT SE 3 ; H336

Additional information

The used hydrocarbons contain no benzene or benzene in concentrations less than 0.1 percent by weight and fulfil therefore the default(handicap) of the remark P to the appendix VI of the order (EC) No. 1272/2008 (GHS order).
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.
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. Call a doctor and tell him the exactly substance.

In case of skin contact

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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

Possible symptoms:

At eye contact: Irritation, burning, pain.

At skin contact: Irritation.

Irritation of the respiratory tract.

Further possible symptoms: Headache, dizziness or giddiness.

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

In case of fire: Use alcohol resistant foam, CO₂, powders or water spray for extinction.

Unsuitable extinguishing media

In case of fire: Do not use waterjet for extinction.

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. In case of fire specially nitrogenous gases may be formed.

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 away from ignition sources on account of the organic solvent content and air room well. Do not inhale vapours. 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). The areas concerned cleaning with a customary water based cleaning agent, not using organic solvents if possible.

6.4 Reference to other sections

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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. Prevent the creation of inflammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the OEL (=Occupational Exposure Limit). Only use the material in places where open light, fire and other flammable sources can be kept away. For personal protection see Section 8. Avoid contact with skin and eyes. Read label before use.

Measures to prevent fire

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Avoid concentrations which form ignitable or explosive vapour and air mixtures. Likewise, avoid any concentration of vapour above the MAC-valve. Keep away from ignition sources - No smoking. Ground/bond container and receiving equipment. Use explosion-proof pipes, electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Measures to prevent aerosol and dust generation

Do not breathe gas or spray.

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.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Electrical equipment should be protected to the appropriate standard. Floors should be of the conducting type. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Do not store the product in lounge room. Keep only in the original container. Keep out of the reach of children. Store in a well-ventilated place. Keep cool.

Hints on joint storage

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

Storage class (TRGS 510) : 3

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)

Hardenercomponent for the products Floortec 2K-Epoxi-Versiegelung 853 and 2K-Epoxi-Haftgrund 855.

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): RE2.5.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

XYLENE ; CAS No. : 1330-20-7

Limit value type (country of origin) : TRGS 900 (D)
Limit value : 100 ppm / 440 mg/m³
Peak limitation : 2(II)
Remark : H
Version : 06.11.2015
Limit value type (country of origin) : STEL (EC)
Limit value : 100 ppm / 442 mg/m³

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Remark : H
Version : 08.06.2000
Limit value type (country of origin) : TWA (EC)
Limit value : 50 ppm / 221 mg/m³
Remark : H
Version : 08.06.2000
BUTAN-1-OL ; CAS No. : 71-36-3
Limit value type (country of origin) : TRGS 900 (D)
Limit value : 100 ppm / 310 mg/m³
Peak limitation : 1(I)
Remark : Y
Version : 06.11.2015

Remark

Taking into account the details mentioned in the TRGS 900 for the supervision of AGW.

Biological limit values

XYLENE ; CAS No. : 1330-20-7

Limit value type (country of origin) : TRGS 903 (D)
Parameter : Xylene / Whole blood (B) / End of exposure or end of shift
Limit value : 1,5 mg/l
Version : 31.03.2004

Limit value type (country of origin) : TRGS 903 (D)
Parameter : Methylhippuric acid / Urine (U) / End of exposure or end of shift
Limit value : 2 g/l
Version : 31.03.2004

BUTAN-1-OL ; CAS No. : 71-36-3

Limit value type (country of origin) : TRGS 903 (D)
Parameter : 1-Butanol / Urine (U) / Before next shift
Limit value : 2 mg/g Kr
Version : 31.03.2004

Limit value type (country of origin) : TRGS 903 (D)
Parameter : 1-Butanol / Urine (U) / End of exposure or end of shift
Limit value : 10 mg/g Kr
Version : 31.03.2004

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. 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. 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 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: > = 60 min.

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. If the product must be sprayed, use protective clothing.

Respiratory protection

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Breathing protection equipment is not required in good ventilated places. Use suitable respiratory protective device in case of insufficient ventilation. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use gas mask in case of spray processing, do not breathe spray. Use the combination filter mask A1 - P2.

General health and safety measures

Avoid contact with eyes and skin. Immediately remove all contaminated clothing. Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Ensure a good ventilation in room and working area. Do not breathe gas or spray.

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

Smell of organic solvents.

Safety relevant basis data

Initial boiling point and boiling range :	(1013 hPa)	approx.	135	°C	
Flash point :			27	°C	
Ignition temperature :		>	300	°C	
Lower explosion limit :			1,7	Vol-%	
Upper explosion limit :			7,6	Vol-%	
Vapour pressure :	(50 °C)		not determined		
Vapour pressure:	(20 °C)		6,7	hPa	
Density :	(20 °C)	approx.	0,93 - 0,95	g/cm ³	
Solvent separation test :	(20 °C)	<	3	%	
Water solubility :	(20 °C)		teilweise mischbar		
Flow time :	(20 °C)		not determined		DIN-cup 4 mm
Flow time :	(23 °C)	>	60	s	ISO cup 6 mm
Viscosity :	(25 °C)	approx.	900	mPa.s	
Kinematic viscosity:	(40 °C)	>	20,5	mm ² /s	
Solid content :		approx.	60	Wt %	

9.2 Other information

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

Vapours can form explosive mixtures with air.

10.4 Conditions to avoid

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To avoid formation of ignitable vapour and air mixtures ensure good ventilation (inter alia extraction system). Keep away from frost, heat and direct sunlight.

Cleaning cloths saturated with solvent can ignite themselves. Therefore ensure safe disposal of waste.

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 effects

Acute toxicity:

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

Acute oral toxicity

Parameter :	ATEmix calculated
Exposure route :	Oral
Effective dose :	6250 mg/kg
Parameter :	LD50 (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Oral
Species :	Rat
Effective dose :	8700 mg/kg
Parameter :	LD50 (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Oral
Species :	Rat
Effective dose :	790 mg/kg

Acute dermal toxicity

Parameter :	ATEmix calculated
Exposure route :	Dermal
Effective dose :	3438 mg/kg
Parameter :	LD50 (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	2000 mg/kg
Parameter :	LD50 (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	3400 mg/kg

Acute inhalation toxicity

Parameter :	ATEmix calculated
Exposure route :	Inhalative (vapour)
Effective dose :	34,4 mg/l
Parameter :	LC50 (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	6350 mg/l
Parameter :	LC50 (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Inhalation

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Species : Rat
Effective dose : 8000 ppm

Irritant and corrosive effects

Irritation:

- Skin contact: Irritating to skin.
- Eye contact: Causes serious eye damage.
- Respiratory: May cause respiratory irritation.

Sensitisation

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

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

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation, kidneys and liver damages, as well as leading the impairment of the central nervous system.

Symptoms and signs include headache: dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness.

The liquid splashed in the eyes may cause irritation and reversible damage.

STOT-repeated exposure

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Aspiration hazard

The 2Component product contains substances, which are classified as aspiration toxicity, category 1 (May be fatal if swallowed and enters airways), in accordance to the Regulation (EC) No. 1272/2008 (CLP-Regulation) in their pure form. The product is not classified as aspiration toxicity, category 1, because of the higher viscosity (> 20,5 mm²/s at 40°C).

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.

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (XYLENE ; CAS No. : 1330-20-7)
Species : Oncorhynchus mykiss (Rainbow trout)
Effective dose : 7,6 mg/l
Exposure time : 96 h

Acute (short-term) daphnia toxicity

Parameter : EC50 (XYLENE ; CAS No. : 1330-20-7)
Species : Daphnia magna (Big water flea)
Effective dose : 3,82 mg/l
Exposure time : 48 h

Acute (short-term) algae toxicity

Parameter : EC50 (XYLENE ; CAS No. : 1330-20-7)
Species : Pseudokirchneriella subcapitata

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Effective dose : 4,7 mg/l
Exposure time : 72 h

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.

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.
Packaging with residues have to dropped at official collecting sites. Avoid release to the environment.

Appropriate disposal / Package

Only empty packaging can be transfered to recycling.

SECTION 14: Transport information

14.1 UN number

UN 1263

14.2 UN proper shipping name

Land transport (ADR/RID)

PAINT

Sea transport (IMDG)

PAINT

Air transport (ICAO-TI / IATA-DGR)

PAINT

14.3 Transport hazard class(es)

Land transport (ADR/RID)

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Class(es) : 3
Classification code : F1
Hazard identification number (Kemler No.) : 30
Tunnel restriction code : D/E
Special provisions : 640E · E 1 · Transport in containers with max. 450 litres contents are not subject to the regulations of ADR/RID.
Hazard label(s) : 3
Sea transport (IMDG)
Class(es) : 3
EmS-No. : F-E / S-E
Special provisions : LQ 5 I · E 1 · IMDG 2.3.2.5 (<= 30 l)
Hazard label(s) : 3
Air transport (ICAO-TI / IATA-DGR)
Class(es) : 3
Special provisions : E 1
Hazard label(s) : 3

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

Other regulations (EU)

Information according to 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

The product is subject to the EU guideline 2004/42/ EC about the limitation of the emissions of brief organic connections due to the use of organic solvents in certain colours and varnishes. The technical data sheets of the two products Floortec 2K-Epoxy-Versiegelung 853 or 2K-Epoxy-Haftgrund 855 contains the max. VOC values of the mixtures for use.

National regulations

Water hazard class (WGK)

Class : 2 (Hazardous to water) Classification according to VwVWS

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

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16.1 Indication of changes

02. Classification of the substance or mixture · 02. Label elements · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - Hazard components for labelling

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
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
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

Safety Data Sheet

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



Trade name : Floortec Epoxi-Härter 846
Floortec Epoxy Hardener 846

Revision date : 30.08.2016

Print date : 30.08.2016

Version (Revision) : 12.0.0 (11.0.0)

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)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.

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.
