

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier** : Trelleborg Epoxy FC 15 B**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use of the Substance : Epoxy Hardener

Mixture

1.3. Details of the supplier of the safety data sheet

Company :Trelleborg Pipe Seals Duisburg GmbH

Dr.-Alfred-Herrhausen-Allee 36

47228, Duisburg, Germany

Telephone : +49 (0) 20 65 999-0

E-mail address : rd.tps@trelleborg.com

1.4. Emergency telephone no. :Giftnotruf Universität Mainz / Poison Information Center Mainz www.giftinfo.uni-mainz.de
Telephone: +49(0) 6131/19240. Multilanguage.

SECTION 2. HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Acute toxicity	: Category 4	H302: Harmful if swallowed
Skin corrosion	: Category 1B	H314: Causes severe skin burns and eye damage.
Skin sensitization	: Category 1	H317: May cause an allergic skin reaction.
Serious eye damage	: Category 1	H318: Causes serious eye damage
Short-term (acute) Aquatic Hazard	: Category 1	H400: Very toxic to aquatic life.
Long-term (chronic) Aquatic Hazard	: Category 1	H410: Very toxic to aquatic life with long-lasting effect.

2.2. Label elements**Labelling (REGULATION (EC) No 1272/2008)**

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

Hazard pictograms:



Signal word	: Danger.	
Hazard statements	: H302	Harmful if swallowed.
	: H314	Causes severe skin burns and eye damage.
	: H317	May cause an allergic skin reaction.
	: H410	Harmful to aquatic life with long lasting effects.
Precautionary statements	: Prevention:	
	P273	Avoid release to the environment.
	P280	Wear protective gloves/ protective clothing/ eye protection/ face protection
	: Response:	
	P303+P361+P353 IF ON SKIN (or hair):	Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P304+P340+P310 IF INHALED:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER /doctor.
	P305+P351+P338+P310 IF IN EYES:	Rinse cautiously with water for several minutes. Remove any existing contact lenses if possible. Continue rinsing. Immediately call a POISON CENTER / doctor.

Hazardous components which must be listed on the label:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with N,N'-bis(2-aminoethyl)-1,2-ethanediamine and (chloromethyl)oxirane
m-phenylenebis(methylamine)

2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3. Composition/information on ingredients
3.1. Mixtures

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

Chemical nature : Heterocyclic and aliphatic amine based mixture

Chemical name	CAS-No EC-No Registration No	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
Phenol, 4,4'-(1-methylethylidene)bis-polymer with N,N'-bis(2-aminoethyl)-1,2-ethanediamine and (chloromethyl)oxirane	38294-69-8	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Skin Sens. 1; H317 Aquatic Chronic 3; H412	>=25-<30
Bicyclo[2.2.1]heptanebis (methylamine)	56602-77-8 260-280-7 01-2120752792-48	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>=20- < 25
Benzyl alcohol	100-51-5 202-859-9 01-2119492630-38	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Irrit 2; H319	>=12,5-< 20
Formaldehyde polymer with 1,3 benzenedimethanamine and phenol	57214-10-5 500-137-0	Aquatic Acute 1; H400 Aquatic Chronic 2; H411	>= 7 - < 10
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)- .omega.-(2-aminomethylethoxy)-	9046-10-0 01-2119557899-12	Skin Corr. 1C; H314 Eye Dam. 1; H318 Aquatic Chronic 3;	>= 5 - < 7
Toluene-4-sulphonic acid, monohydrate	6192-52-5	Skin Irrit.2; H315 Eye Irrit.2; H319 STOT SE3; H335	>=3-<5
m-Phenylenebis(methylamine)	1477-55-0 216-032-5 01-2119480150-50	Acute Tox.4; H302 Acute Tox.4; H332 Skin Corr.1B; H314 Skin Sens.1B; H317 Aquatic Chronic3; H412	>= 3 - < 5
N-(3-AMINOPROPYL)CYCLOHEXYLAMINE	3312-60-5 222-001-7 01-2120817177-54	Acute Tox. 3; H301 Acute Tox. 3; H311 Skin Corr. 1; H314 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 2,5 - < 3

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

For explanation of abbreviations see section 16.

SECTION 4. First aid measures**4.1 Description of first aid measures**

General advice	: Show this safety data sheet to the doctor in attendance. Keep warm and in a quiet place. Take off all contaminated clothing immediately.
If inhaled	: Move to fresh air. Keep patient warm and at rest. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician. If breathing is irregular or stopped, administer artificial respiration.
In case of skin contact	: Wash off immediately with soap and plenty of water. ..Do NOT use solvents or thinners. If on clothes, remove clothes. Burns must be treated by a physician.
In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. If eye irritation persists, consult a specialist. If easy to do, remove contact lens, if worn.
If swallowed	: Do not induce vomiting. If a person vomits when lying on his back, place him in the recovery position. Call a physician immediately. Give small amounts of water to drink.

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

Symptoms	: Burn Superficial burning sensation Redness Severe irritation
----------	---

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

Treatment	: The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.
-----------	--

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

SECTION 5. Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media : Carbon dioxide (CO₂)
Foam.
Dry Powder.
Water mist.

Unsuitable extinguishing media : None known

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting : The pressure in sealed containers can increase under the influence of heat.
Cool closed containers exposed to fire with water spray.
Hazardous decomposition products formed under fire conditions.

5.3. Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

Further information : In the event of fire and/or explosion do not breathe fumes.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Immediately evacuate personnel to safe areas.
Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6. Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Refer to protective measures listed in sections 7 and 8.
Evacuate personnel to safe areas.
Use personal protective equipment.
Ensure adequate ventilation.
Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.

6.2 Environmental precautions

Environmental precautions : Do not allow uncontrolled discharge of product into the environment.
Try to prevent the material from entering drains or water courses.

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Pick up and transfer to properly labelled containers.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7. Handling and storage**7.1 Precautions for safe handling**

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.
Avoid inhalation, ingestion and contact with skin and eyes.
Wear personal protective equipment.
Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Advice on protection against fire and explosion : Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures : Provide adequate ventilation. Wash hands and face before breaks and immediately after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well ventilated place. Keep in properly labelled containers. To maintain product quality, do not store in heat or direct sunlight.

Further information on storage conditions. : Protect from moisture.

Advice on common storage : Keep away from isocyanates.
Do not store near acids.
Keep away from oxidizing agents.

Other data : Stable at normal ambient temperature and pressure.

7.3 Specific end use(s)

Specific use(s) : Consult the technical guidelines for the use of this

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

substance/mixture.

SECTION 8. Exposure controls/personal protection**8.1 Control parameters**

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Phenol, 4,4-(Methyletyliden) bis-, Polymer with N,N-bis(2-Aminoethyl)-1,2-ethanediamine and (Chloromethyl)Oxirane.	: End use: Worker Exposure routes: Inhalation Potential health effects: Long-term exposure, Systemic effects Value: 0,529 mg/m ³ End use: Workers Exposure routes: Skin contact. Potential health effects: Long-term exposure, Systemic effects Value: 0,6 mg/kg
Benzyl alcohol	: End Use: Workers. Exposure routes: Inhalation. Potential health effects: Short-term exposure, Systemic effects. Value: 450 mg/m ³ End Use: Workers. Exposure routes: Inhalation Potential health effects: Long-term exposure, Systemic effects. Value: 90 mg/m ³ End Use: Workers. Exposure routes: Skin contact. Potential health effects: Short-term exposure, Systemic effects. Value: 47 mg/kg End Use: Workers. Exposure routes: Skin contact. Potential health effects: Long-term exposure, Systemic effects. Value: 9,5 mg/kg End Use: Consumers. Exposure routes: Ingestion. Potential health effects: Short-term exposure, Systemic effects. Value: 25 mg/kg End Use: Consumers. Exposure routes: Ingestion. Potential health effects: Long-term exposure, Systemic effects. Value: 5 mg/kg End Use: Consumers. Exposure routes: Inhalation. Potential health effects: Short-term exposure, Systemic effects. Value: 40,55 mg/m ³ End Use: Consumers Exposure routes: Inhalation. Potential health effects: Long-term exposure, Systemic effects.

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

Value: 8,11 mg/m³
 End Use: Consumers.
 Exposure routes: Skin contact.
 Potential health effects: Short-term exposure, Systemic effects.
 Value: 28,5 mg/kg
 End Use: Consumers.
 Exposure routes: Skin contact.
 Potential health effects: Long-term exposure, Systemic effects.
 Value: 5,7 mg/kg

Poly[oxy(methyl-1,2-ethanediyl)]
 ,.alpha.-(2-aminomethylethyl)-
 Omega.-(2-aminomethylethoxy)-

:End Use: Workers
 Exposure routes: Skin contact.
 Potential health effects: Long-term exposure, Systemic effects.
 Value: 2,5 mg/m³
 End Use: Workers
 Exposure routes: Skin contact.
 Potential health effects: Long-term exposure, Local effects.
 Value: 0,623 mg/cm²
 End Use: Consumers
 Exposure routes: Skin contact.
 Potential health effects: Long-term exposure, Systemic effects.
 Value: 1,25 mg/kg
 End Use: Consumers
 Exposure routes: Skin contact.
 Potential health effects: Long-term exposure, Local effects.
 Value: 0,311 mg/cm²
 End Use: Consumers
 Exposure routes: Ingestion
 Potential health effects: Long-term exposure, Systemic effects.
 Value: 0,04 mg/kg

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Phenol, 4,4-(Methylethyliden) bis-,
 Polymer with N,N-bis(2-Aminoethyl)
 -1,2-ethanediamine and
 (Chloromethyl)Oxirane.

Fresh water.
 Value: 0 mg/l
 Marine water
 Value: 0 mg/l
 Sewage treatment plant
 Value: 1 mg/l
 Fresh water sediment.
 Value: 0,002 mg/l
 Marine water sediment
 Value: 0 mg/l
 Soil
 Value: 0 mg/l

Benzyl alcohol

: Fresh water.
 Value: 1 mg/l
 Marine water.

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

Value: 0,1 mg/l
 Fresh water sediment.
 Value: 5,27 mg/kg
 Marine sediment.
 Value: 0,527 mg/kg
 Soil.
 Value: 0,456 mg/kg
 Sewage treatment plant.
 Value: 39 mg/l
 Intermittent releases.
 Value: 2,3 mg/l

2 Poly[oxy(methyl-1,2-ethanediyl)]
 ,.alpha.-(2-aminomethylethyl)-
 Omega.-(2-aminomethylethoxy)-

: Fresh water
 Value: 0,015 mg/l
 Marine water
 Value: 0,0143 mg/l
 Fresh water sediment.
 Value: 0,132 mg/kg
 Marine sediment.
 Value: 0,125 mg/kg
 Soil.
 Value: 0,0176 mg/kg
 Intermittent releases.
 Value: 0,15 mg/l
 Sewage treatment plant.
 Value: 7,5 mg/l

8.2 Exposure controls

Engineering measures

Effective exhaust ventilation system
 Effective ventilation in all processing areas

Personal protective equipment

Eye protection : Safety glasses with side-shields conforming to EN166
 Do not wear contact lenses.
 Ensure that eyewash stations and safety showers are close to the workstation location.

Hand protection : Chemical resistant gloves made of butyl rubber or nitrile.
 Material : rubber category III according to EN 374.
 Skin and body protection : Protective suit.

Respiratory protection : Use respirator when performing operations involving potential exposure to vapour of the product. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used. Respirator with a vapour filter (EN 141)

Protective measures : Avoid contact with skin.

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

Wear suitable protective equipment.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance	: Liquid
Colour	: Purple
Odour	: Ammoniacal
Odour Threshold	: Not determined.
pH	: 11 Concentration 1%
Melting point/freezing point	: Not applicable.
Boiling point/boiling range	: > 150 °C
Flash point	: 100 °C
Evaporation rate	: Not determined.
Upper explosion limit	: Not applicable.
Lower explosion limit	: Not applicable.
Vapour pressure	: Not applicable.
Relative vapour density	: Not determined.
Density	: 1,08 g/cm ³ (25 °C)
Bulk density	: Not determined.
Solubility(ies)	: Not determined.
Solubility in other solvents	
Partition coefficient: noctanol/water	: Not data available.
Auto-ignition temperature	: Not applicable.
Thermal decomposition	: Method: No data available.
Viscosity	
Viscosity, dynamic	: 640 – 970 mPa.s (25 °C).
Viscosity, kinematic	: Not determined.
Explosive properties	: Not applicable.
Oxidizing properties	: Not applicable.

9.2 Other information

Surface tension	: Not determined.
Sublimation point	: Not applicable.

SECTION 10: Stability and reactivity**10.1 Reactivity**

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions	: Reacts with the following substances: Acids Strong oxidizing agents.
---------------------	--

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

10.4 Conditions to avoid

Conditions to avoid : No decomposition if used as directed.

10.5 Incompatible materials

Materials to avoid : Strong acids Strong oxidizing agents.

10.6 Hazardous decomposition products

 Hazardous decomposition products : This product may release the following:
 Nitrogen oxides (NO_x)
 Carbon monoxide.
 Carbon dioxide (CO₂).

SECTION 11: Toxicological information
11.1 Information on toxicological effects
Acute toxicity
Product:

 Acute oral toxicity : Acute toxicity estimate: 577,98 mg/kg
 Method: Calculation method.

 Acute inhalation toxicity : Acute toxicity estimate : > 5 mg/l
 Exposure time: 4 h
 Test atmosphere: dust/mist
 Method: Calculation method

 Acute dermal toxicity : Acute toxicity estimate : 2.000 mg/kg
 Method: Calculation method

Components:
Phenol, 44'-(1-methylethylidene)bis-polymer with N,B'-bis(2-aminoethyl)-1,2-ethanediamine and (chloromethyl)oxirane

 Acute oral toxicity : LD50 (Rat, female): > 300 mg/kg
 Method: OECD Test Guideline 420
 GLP: Yes

Benzyl alcohol:

 Acute inhalation toxicity : LC50 (Rat, male and female): > 4 mg/l
 Exposure time: 4 h
 Test atmosphere: dust/mist
 Method: OECD Test Guideline 403
 GLP: yes

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)- .omega.-(2-aminomethylethoxy)-

Acute oral toxicity : LD50 (Rat, male and female): 2.885,3 mg/kg

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

Method: OECD Test Guideline 401
GLP: Yes

Acute dermal toxicity : LD50 (Rat, male and female): 2.979,7 mg/kg
Method: OECD Test Guideline 402
Skin corrosion/irritation
GLP: Yes

Skin corrosion/irritation**Product:**

Remarks: Acute dermal irritation/corrosion

Components:**Phenol, 44'-(1-methylethylidene)bis-polymer with N,B'-bis(2-aminoethyl)-1,2-ethanediamine and (chloromethyl)oxirane**

Species: Reconstructed human epidermis
Method: OECD Test Guideline 439
Result: Causes burns.
GLP: yes
Test substance: Analogy.

Benzyl alcohol:

Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation
GLP: yes

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)- .omega.-(2-aminomethylethoxy)-

Species: Rabbit
Method: OECD Test Guideline 404
Result: Corrosive.

Serious eye damage/eye irritation**Product:**

Remarks: Severe eye irritation

Components:**Phenol, 44'-(1-methylethylidene)bis-polymer with N,B'-bis(2-aminoethyl)-1,2-ethanediamine and (chloromethyl)oxirane**

Species: Rabbit.
Assessment: Risk of serious damage to eyes.
Method: OECD Test Guideline 405
Result: Burns the eyes.
GLP: yes

Benzyl alcohol: Species: Rabbit

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

Method: OECD Test Guideline 405

Result: Eye irritation

GLP: yes

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)- .omega.-(2-aminomethylethoxy)-

Method: OECD Test Guideline 405

Result: Danger of serious eye damage.

Respiratory or skin sensitisation**Components:****Phenol, 44'-(1-methylethylidene)bis-polymer with N,B'-bis(2-aminoethyl)-1,2-ethanediamine and (chloromethyl)oxirane**

Type of Test: Local Lymph Node Assay (LLNA)

Species: mouse

Assessment: The product is a skin sensitiser, subcategory 1A.

Method: OECD Test Guideline 429

Result: Causes sensitization.

GLP: yes

Germ cell mutagenicity**Phenol, 44'-(1-methylethylidene)bis-polymer with N,B'-bis(2-aminoethyl)-1,2-ethanediamine and (chloromethyl)oxirane**

Genotoxicity in vitro

Type of test: Ames test

Test species: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

GLP: yes

Carcinogenicity**Components:****Phenol, 44'-(1-methylethylidene)bis-polymer with N,B'-bis(2-aminoethyl)-1,2-ethanediamine and (chloromethyl)oxirane**

Type of test: Reproductive and developmental toxicity study

Species: rat, male and female

Tribe: Wistar

Route of application: Oral

General Toxicity in Maternal: Dose at which no adverse health effects were observed: 60 mg/kg body weight

Teratogenicity: highest dose with no observed adverse effect for F1: 60 mg/kg body weight

Developmental Toxicity: highest dose with no observed adverse effect for F1: 60 mg/kg body weight

Embryo-fetal toxicity.: highest dose with no observed adverse effect for F1: 60 mg/kg body weight

Method: OECD Test Guideline 422

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

GLP: yes

Reproductive toxicity

Remarks: No data available

STOT - single exposure

Remarks: No data available

STOT - repeated exposure

Remarks: No data available

Aspiration toxicity**Components:****Phenol, 44'-(1-methylethylidene)bis-polymer with N,B'-bis(2-aminoethyl)-1,2-ethanediamine and (chloromethyl)oxirane**

Species: Rat, male and female

NOAEL: 60 mg/kg

Route of application: Oral

Method: OECD Test Guideline 422

GLP: Yes

SECTION 12: Ecological information**12.1 Toxicity****Product**

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Components:**Phenol, 44'-(1-methylethylidene)bis-polymer with N,B'-bis(2-aminoethyl)-1,2-ethanediamine and (chloromethyl)oxirane**Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): > 0.16 mg/l
Exposure time: 96 h
Type of test: semi-static test
Method: OECD Test Guideline 203
GLP: yesToxicity to daphnia : EL50 (Daphnia magna (Water flea)): 1.7 mg/l
and other aquatic invertebrates Exposure time: 48 h
Type of test: static test
Method OECD: Test Guideline 202

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

GLP: yes

Toxicity to algae : ErL50 (Pseudokirchneriella subcapitata (green algae)): 0.31 mg/l
 Exposure time: 72 h
 Type of test: semi-static test
 Method: OECD Test Guideline 201
 GLP: yes

Toxicity to bacteria : (activated sludge): > 100 mg/l
 Exposure time: 3 hours
 Type of test: Respiratory inhibition
 Method: OECD Test Guideline 209
 GLP: yes

Benzyl alcohol:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 230 mg/l
 Exposure time: 48 h
 Method: OECD Test Guideline 202
 GLP: yes

Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (green algae)): 770 mg/l
 Exposure time: 72 h
 Test Type: static test
 Method: OECD Test Guideline 201
 GLP: yes

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)- .omega.-(2-aminomethylethoxy)-

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 15 mg/l
 Exposure time: 96 h
 Type of test: semi-static test
 Method: OECD Test Guideline 203
 GLP: yes

Toxicity to daphnia and other invertebrates : EC50 (Daphnia magna (Water flea)): 80 mg/l
 Exposure time: 48 h
 Aquatic animals Type of test: static test
 Method: OECD Test Guideline 202
 GLP: yes

Toxicity to algae : NOEC (Pseudokirchneriella subcapitata (green algae)): 0.32 mg/l
 Exposure time: 72 h
 Type of test: static test
 Method: OECD Test Guideline 201
 GLP: yes

12.2 Persistence and degradability

Product : Remarks: No data available

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

Components**Phenol, 44'-(1-methylethylidene)bis-polymer with N,B'-bis(2-aminoethyl)-1,2-ethanediamine and (chloromethyl)oxirane**

Biodegradability : Test Type: aerobic
Inoculum culture: activated sludge
Result: Not readily biodegradable.
Biodegradation: 0%
Exposure time: 28 d
Method: OECD Test Guideline 301 B
GLP: yes

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)- .omega.-(2-aminomethylethoxy)-

Biodegradability : Test Type: aerobic
Result: Not readily biodegradable.
Method: OECD Test Guideline 301 B
GLP: yes

12.3 Bioaccumulative potential

Product : Remarks: No data available

Components:**Phenol, 44'-(1-methylethylidene)bis-polymer with N,B'-bis(2-aminoethyl)-1,2-ethanediamine and (chloromethyl)oxirane**

Partition coefficient: : log Pow: 0.292 (20 - 25 °C)
nOctanol/water Method: OECD Test Guideline 117
pH: :12
GLP: yes

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)- .omega.-(2-aminomethylethoxy)-

Partition coefficient: : log Pow: 1.34 (25 °C)
nOctanol/water Method: OECD Test Guideline 117
GLP: yes

12.4 Mobility in soil**Components:****Phenol, 44'-(1-methylethylidene)bis-polymer with N,B'-bis(2-aminoethyl)-1,2-ethanediamine and (chloromethyl)oxirane**

Distribution between the : Koc: 566Method: estimated.
environmental compartments

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

12.5 Results of PBT and vPvB assessment
Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects
Product:

Additional ecological information : Remarks: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: Disposal considerations
13.1 Waste treatment methods

Product : In accordance with local and national regulations.
 Container hazardous when empty.
 Do not dispose of with domestic refuse.
 Do not mix waste streams during collection.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information
14.1 UN number

ADR/RID/ADN : UN 2735

IMDG : UN 2735

IATA : UN 2735

14.2 UN proper shipping name

ADR/RID/ADN : AMINES, LIQUID, CORROSIVE, N.O.S.
 (Isophorone diamine)

IMDG : AMINES, LIQUID, CORROSIVE, N.O.S.
 (Isophorone diamine)

IATA : Amines, liquid, corrosive, N.O.S.
 (Isophorone diamine)

14.3 Transport hazard class(es)

ADR/RID/ADN : 8

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

IMDG : 8**IATA** : 8**14.4 Packing group****ADR/RID/ADN**

Packing group	: III
Classification Code	: C7
Hazard Identification Number	: 80
Labels	: 8
Tunnel restriction code	: E

IMDG

Packing group	: III
Labels	: 8
EmS Code	: F-A, S-B
Remarks	: IMDG Code segregation group 18 - Alkalis

IATA

Packing instruction (cargo aircraft)	: 856
Packing instruction (passenger aircraft)	: 852
Packing group	: III
Labels	: 8

14.5 Environmental hazards**ADR/RID/ADN**

Environmentally hazardous	: yes
---------------------------	-------

Marine pollutant	: yes
------------------	-------

IATA

Environmentally hazardous	: yes
---------------------------	-------

IMDG

Marine pollutant	: yes
------------------	-------

14.6 Special precautions for user

Remarks	: The transport of dangerous goods, including their loading and Unloading, must be done by people who received the necessary Training required by Model Regulations.
---------	--

The transport classification(s) provided herein are for informational purposes only and are based solely on

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

the properties of the unpackaged material as described in this Safety Data Sheet. Transport ratings may vary with mode of transport, package size, and variations in regional or country regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Xylene, mixture of isomers
Toluene
2-methoxypropyl acetate
2-methoxypropanol

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

15.2 Chemical safety assessment

Not applicable

SECTION 16: Other information

Full text of H-Statements

H302 : Harmful if swallowed.
 H311 : Toxic in contact with skin
 H312 : Harmful in contact with skin.
 H314 : Causes severe skin burns and eye damage.
 H315 : Causes skin irritation.
 H317 : May cause an allergic skin reaction.
 H318 : Causes serious eye damage.
 H319 : Causes serious eye irritation.
 H332 : Harmful if inhaled.
 H335 : May cause respiratory irritation.
 H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity
 Aquatic Chronic : Chronic aquatic toxicity
 Eye Dam. : Serious eye damage

Trelleborg Epoxy FC 15 B

Version 9.0 [5.0 SDB GB]

Revision 17/10/2022

Print Date 17/10/2022

Eye Irrit.	: Eye irritation
Skin Corr.	: Skin corrosion
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitisation
STOT SE	: Specific target organ toxicity - single exposure

Further information

Training advice	: Provide adequate information, instruction and training for operators.
-----------------	---

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.