



## SAFETY DATA SHEET TREADMASTER MARINE EPOXY ADHESIVE PART B

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

#### 1.1. Product identifier

**Product name** TREADMASTER MARINE EPOXY ADHESIVE PART B

**EU REACH registration notes** All chemicals used in this product have been registered under REACH where required.

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

**Identified uses** Adhesive.

**Uses advised against** No specific uses advised against are identified.

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

**Supplier** Tiflex Ltd  
Tiflex House  
Trebargie Water  
Liskeard  
Cornwall  
PL14 4NB  
Tel: +44 (0) 1579 320 808  
Fax: +44 (0) 1579 320 802  
Email: sward@tiflex.co.uk

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 1579 320 808 (NOT 24HRS - 9am-5pm Mon-Thurs, 9am-4pm Fri)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (SI 2019 No. 720)

**Physical hazards** Not Classified

**Health hazards** Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Repr. 2 - H361f

**Environmental hazards** Not Classified

**Human health** May cause serious eye damage. Contains a substance/a group of substances which may damage fertility. Harmful by inhalation.

**Environmental** The product is not expected to be hazardous to the environment.

#### 2.2. Label elements

##### Hazard pictograms



**Signal word**

Danger

## TREADMASTER MARINE EPOXY ADHESIVE PART B

<b>Hazard statements</b>	H302+H332 Harmful if swallowed or if inhaled. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H361f Suspected of damaging fertility.
<b>Precautionary statements</b>	P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing vapour/ spray. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 IF exposed or concerned: Get medical advice/ attention.
<b>Contains</b>	BENZYL ALCOHOL, 4,4'-ISOPROPYLIDENEDIPHENOL, 3-AMINOPROPYLDIMETHYLAMINE, ISOPHORONEDIAMINE, m-phenylenebis(methylamine), 2,4,6-tris(dimethylaminomethyl)phenol
<b>Supplementary precautionary statements</b>	P201 Obtain special instructions before use. P260 Do not breathe vapour/ spray. P264 Wash contaminated skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing should not be allowed out of the workplace. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P302+P352 IF ON SKIN: Wash with plenty of water. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTRE/doctor if you feel unwell. P321 Specific treatment (see medical advice on this label). P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P363 Wash contaminated clothing before reuse. P405 Store locked up. P501 Dispose of contents/ container in accordance with national regulations.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>BENZYL ALCOHOL</b>	<b>20-35%</b>
CAS number: 100-51-6	EC number: 202-859-9
<b>Classification</b>	
Acute Tox. 4 - H302	
Acute Tox. 4 - H332	
Eye Irrit. 2 - H319	

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<b>4,4'-ISOPROPYLIDENEDIPHENOL</b>	<b>1-5%</b>
CAS number: 80-05-7	EC number: 201-245-8
<b>Classification</b> Eye Dam. 1 - H318 Skin Sens. 1 - H317 Repr. 2 - H361f STOT SE 3 - H335	
<b>ISOPHORONEDIAMINE</b>	<b>1-5%</b>
CAS number: 2855-13-2	EC number: 220-666-8
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Chronic 3 - H412	
<b>2,4,6-tris(dimethylaminomethyl)phenol</b>	<b>1-5%</b>
CAS number: 90-72-2	EC number: 202-013-9
<b>Classification</b> Acute Tox. 4 - H302 Skin Corr. 1C - H314 Eye Dam. 1 - H318	
<b>m-phenylenebis(methylamine)</b>	<b>1-5%</b>
CAS number: 1477-55-0	EC number: 216-032-5
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Chronic 3 - H412	
<b>3-AMINOPROPYLDIMETHYLAMINE</b>	<b>1-5%</b>
CAS number: 109-55-7	EC number: 203-680-9
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317	

## TREADMASTER MARINE EPOXY ADHESIVE PART B

The full text for all hazard statements is displayed in Section 16.

**Composition comments** The product contains a sensitising substance.

### Chemical Nature

chemical nature

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. Rinse nose and mouth with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Keep affected person warm and at rest. Get medical attention immediately.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention immediately.
<b>Skin contact</b>	Remove affected person from source of contamination. Rinse immediately with plenty of water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Irritation of nose, throat and airway.
<b>Ingestion</b>	Chemical burns.
<b>Skin contact</b>	Severe irritation.
<b>Eye contact</b>	Irritation of eyes and mucous membranes.

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

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
<b>Specific treatments</b>	Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
<b>Unsuitable extinguishing media</b>	None known.

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

<b>Specific hazards</b>	Toxic gases or vapours.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Nitrous gases (NO <sub>x</sub> ).

### 5.3. Advice for firefighters

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**Protective actions during firefighting** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Control run-off water by containing and keeping it out of sewers and watercourses.

**Special protective equipment for firefighters** Use air-supplied respirator, gloves and protective goggles. Wear chemical protective suit.

### SECTION 6: Accidental release measures

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

**For non-emergency personnel** Wear protective clothing as described in Section 8 of this safety data sheet.

**For emergency responders** Wear protective clothing as described in Section 8 of this safety data sheet.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Avoid contamination of ponds or watercourses with washing down water.

#### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Avoid spilling. Wear protective clothing, gloves, eye and face protection.

**Advice on general occupational hygiene** When using do not eat, drink or smoke. Provide eyewash station. Provide shower facilities near the workplace.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at temperatures between 5°C and 25°C.

**Storage class** Corrosive storage.

#### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### 4,4'-ISOPROPYLIDENEDIPHENOL

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL

WEL = Workplace Exposure Limit.

##### BENZYL ALCOHOL (CAS: 100-51-6)

**DNEL**

Industry - Dermal; Long term : 9.5 mg/kg/day  
Industry - Inhalation; : 90 mg/m<sup>3</sup>

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**PNEC**

- Fresh water; 1 mg/l
- marine water; 0.1 mg/l

### 4,4'-ISOPROPYLIDENEDIPHENOL (CAS: 80-05-7)

**DNEL**

- Industry - Dermal; : 1.4 mg/kg/day
- Industry - Inhalation; : 10 mg/m<sup>3</sup>

**PNEC**

- Fresh water; 0.018 mg/l
- marine water; 0.016 mg/l

### 2,4,6-tris(dimethylaminomethyl)phenol (CAS: 90-72-2)

**DNEL**

- Workers - Inhalation; : 0.31 mg/m<sup>3</sup>

**PNEC**

- Fresh water; 0.84 mg/l

### ISOPHORONEDIAMINE (CAS: 2855-13-2)

**DNEL**

- Workers - ; : 20.1 mg/m<sup>3</sup>

**PNEC**

- Fresh water; 0.06 mg/l

### m-phenylenebis(methylamine) (CAS: 1477-55-0)

**PNEC**

- Fresh water; 0.094 mg/l
- marine water; 0.0094 mg/l

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Wear tight-fitting, chemical splash goggles or face shield.

### Hand protection

Wear protective gloves made of the following material: Nitrile rubber. Viton rubber (fluoro rubber). Polyvinylidene chloride/polyethylene (PVDC/PE). To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. When used with mixtures, the protection time of gloves cannot be accurately estimated. The selected gloves should have a breakthrough time of at least 6 hours.

### Other skin and body protection

Wear appropriate clothing to prevent skin contamination. Provide eyewash station.

### Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated.

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<b>Respiratory protection</b>	Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Ensure all respiratory protective equipment is suitable for its intended use and is 'UKCA'-marked. Wear self-contained breathing apparatus with full facepiece.
<b>Thermal hazards</b>	Contact with hot product can cause serious thermal burns. To protect hands from high temperatures, suitable thermal gloves should be used.
<b>Environmental exposure controls</b>	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	White/off-white.
<b>Odour</b>	Amine.
<b>Odour threshold</b>	No information available.
<b>pH</b>	No information available.
<b>Melting point</b>	No information required.
<b>Flash point</b>	Not known.
<b>Evaporation rate</b>	Not applicable.
<b>Evaporation factor</b>	No information required.
<b>Flammability (solid, gas)</b>	Technically not feasible.
<b>Upper/lower flammability or explosive limits</b>	Lower flammable/explosive limit: 1.3 Vol % Upper flammable/explosive limit: 13.0 Vol %
<b>Other flammability</b>	No information available.
<b>Vapour pressure</b>	Not applicable.
<b>Vapour density</b>	Not applicable.
<b>Relative density</b>	1.40 @ 20°C
<b>Bulk density</b>	Not relevant.
<b>Partition coefficient</b>	Not known.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	250,000 - 300,000 cP @ 20°C
<b>Explosive properties</b>	Not considered to be explosive.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Not known.
<b>Comments</b>	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

#### 9.2. Other information

## TREADMASTER MARINE EPOXY ADHESIVE PART B

<b>Other information</b>	No information required.
<b>Refractive index</b>	Not applicable.
<b>Particle size</b>	Not relevant.
<b>Molecular weight</b>	Not applicable.
<b>Saturation concentration</b>	Not applicable.
<b>Critical temperature</b>	Not relevant.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** The following materials may react with the product: Organic peroxides/hydroperoxides.

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not determined. Will not polymerise.

#### 10.4. Conditions to avoid

**Conditions to avoid** The following materials may react violently with the product: Strong oxidising agents.

#### 10.5. Incompatible materials

**Materials to avoid** Strong acids. Strong alkalis. Organic peroxides/hydroperoxides.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Heating may generate the following products: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Nitrous gases (NO<sub>x</sub>).

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

**ATE oral (mg/kg)** 1,579.85

##### Acute toxicity - dermal

**ATE dermal (mg/kg)** 83,333.33

##### Acute toxicity - inhalation

**ATE inhalation (gases ppm)** 15,576.32

**ATE inhalation (vapours mg/l)** 38.08

**ATE inhalation (dusts/mists mg/l)** 5.19

##### Skin corrosion/irritation

**Skin corrosion/irritation** Causes severe burns.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Corrosivity to eyes is assumed.

##### Carcinogenicity

**Carcinogenicity** There is no evidence that the product can cause cancer.



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### Reproductive toxicity

**Reproductive toxicity - fertility** Contains a substance/a group of substances which may damage fertility.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Contact with concentrated chemical may cause severe skin damage.

### **General information**

Suspected of damaging fertility.

### **Inhalation**

Harmful by inhalation.

### **Ingestion**

Harmful if swallowed. May cause chemical burns in mouth and throat.

### **Skin contact**

Causes burns. Causes severe skin burns and eye damage. May cause an allergic skin reaction.

### **Eye contact**

Causes serious eye damage.

### **Acute and chronic health hazards**

Causes burns. Possible risk of adverse reproductive effects.

### **Route of exposure**

Inhalation Ingestion Skin and/or eye contact

### Toxicological information on ingredients.

#### BENZYL ALCOHOL

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 1,230.0

**Species** Rat

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,000.0

**Species** Rabbit

#### 4,4'-ISOPROPYLIDENEDIPHENOL

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 3,250.0

**Species** Rat

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 3,000.0

**Species** Rabbit

##### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 5.0

**Species** Rat

**ATE inhalation (vapours mg/l)** 5.0

**TREADMASTER MARINE EPOXY ADHESIVE PART B****ISOPHORONEDIAMINE****Acute toxicity - oral****Acute toxicity oral (LD<sub>50</sub> mg/kg)** 1,030.0**Species** Rat**ATE oral (mg/kg)** 1,030.0**Acute toxicity - dermal****Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 1,850.0**Species** Rabbit**ATE dermal (mg/kg)** 1,850.0**2,4,6-tris(dimethylaminomethyl)phenol****Acute toxicity - oral****Acute toxicity oral (LD<sub>50</sub> mg/kg)** 2,169.0**Species** Rat**ATE oral (mg/kg)** 500.0**m-phenylenebis(methylamine)****Acute toxicity - oral****Acute toxicity oral (LD<sub>50</sub> mg/kg)** 930.0**Species** Rat**ATE oral (mg/kg)** 930.0**Acute toxicity - dermal****Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 3,100.0**Species** Rabbit**ATE dermal (mg/kg)** 3,100.0**3-AMINOPROPYLDIMETHYLAMINE****Acute toxicity - oral****Acute toxicity oral (LD<sub>50</sub> mg/kg)** 410.0**Species** Rat**ATE oral (mg/kg)** 410.0**Acute toxicity - dermal****Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,139.0

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<b>Species</b>	Rabbit
<b>ATE dermal (mg/kg)</b>	2,139.0
<b><u>Acute toxicity - inhalation</u></b>	
<b>Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)</b>	24.8
<b>Species</b>	Rat
<b>ATE inhalation (vapours mg/l)</b>	24.8

### SECTION 12: Ecological information

**Ecotoxicity**                      The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

#### 12.1. Toxicity

##### Ecological information on ingredients.

#### BENZYL ALCOHOL

##### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 460 mg/l, Pimephales promelas (Fat-head Minnow) LC <sub>50</sub> , 96 hours: 645 mg/l, Leuciscus idus (Golden orfe)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 24 hours: 400 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 96 hours: 640 mg/l, Scenedesmus subspicatus EC <sub>50</sub> , 3 hours: 79 mg/l, Scenedesmus subspicatus
<b>Acute toxicity - microorganisms</b>	EC <sub>50</sub> , 16 hours: 660 mg/l, Activated sludge

#### 4,4'-ISOPROPYLIDENEDIPHENOL

##### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 42 mg/l,
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 96 hours: < 10 mg/l,

#### ISOPHORONEDIAMINE

##### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 110 mg/l, Leuciscus idus (Golden orfe)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 23 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 72 hours: 55 mg/l, Scenedesmus subspicatus
<b>Acute toxicity - microorganisms</b>	EC <sub>20</sub> , 18 hours: 1120 mg/l, Activated sludge

#### 2,4,6-tris(dimethylaminomethyl)phenol

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### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 48 hours: 222 mg/l, Oncorhynchus mykiss (Rainbow trout) LC <sub>50</sub> , 96 hours: 176 mg/l, Cyprinus carpio (Common carp)
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 72 hours: 84 mg/l, Scenedesmus subspicatus

### m-phenylenebis(methylamine)

### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: > 100 mg/l, Oncorhynchus mykiss (Rainbow trout) LC <sub>50</sub> , 96 hours: > 100 mg/l, Brachydanio rerio (Zebra Fish)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 15.2 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 72 hours: 20.3 mg/l, Selenastrum capricornutum

### 3-AMINOPROPYLDIMETHYLAMINE

### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 122 mg/l, Leuciscus idus (Golden orfe)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 59.5 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 72 hours: 53.5 mg/l, Scenedesmus subspicatus
<b>Acute toxicity - microorganisms</b>	EC <sub>50</sub> , 30 minutes: > 1000 mg/l, Activated sludge

### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not known.

### 12.4. Mobility in soil

**Mobility** Not determined.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## TREADMASTER MARINE EPOXY ADHESIVE PART B

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

#### 14.1. UN number

UN No. (ADR/RID)	2735
UN No. (IMDG)	2735
UN No. (ICAO)	2735
UN No. (ADN)	2735

#### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 2,4,6-tris(dimethylaminomethyl)phenol, ISOPHORONEDIAMINE)
<b>Proper shipping name (IMDG)</b>	AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 2,4,6-tris(dimethylaminomethyl)phenol, ISOPHORONEDIAMINE)
<b>Proper shipping name (ICAO)</b>	AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 2,4,6-tris(dimethylaminomethyl)phenol, ISOPHORONEDIAMINE)
<b>Proper shipping name (ADN)</b>	AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 2,4,6-tris(dimethylaminomethyl)phenol, ISOPHORONEDIAMINE)

#### 14.3. Transport hazard class(es)

ADR/RID class	8
ADR/RID classification code	C7
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8

#### Transport labels



#### 14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II
ADN packing group	II

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

#### 14.6. Special precautions for user

EmS	F-A, S-B
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ADR transport category	2
Emergency Action Code	2X
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(E)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

### SECTION 15: Regulatory information

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

<b>National regulations</b>	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). Control of Substances Hazardous to Health Regulations 2002 (as amended). EH40/2005 Workplace exposure limits.
<b>Guidance</b>	CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131.
<b>Authorisations (SI 2020 No. 1577 Annex XIV)</b>	No specific authorisations are known for this product.
<b>Restrictions (SI 2020 No. 1577 Annex XVII)</b>	No specific restrictions on use are known for this product.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

## TREADMASTER MARINE EPOXY ADHESIVE PART B

<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>ATE: Acute Toxicity Estimate.</p> <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>DNEL: Derived No Effect Level.</p> <p>GHS: Globally Harmonized System.</p> <p>IATA: International Air Transport Association.</p> <p>ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>Kow: Octanol-water partition coefficient.</p> <p>LC50: Lethal Concentration to 50 % of a test population.</p> <p>LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>PNEC: Predicted No Effect Concentration.</p> <p>REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.</p> <p>SVHC: Substances of Very High Concern.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p> <p>cATpE: Converted acute toxicity point estimate.</p> <p>BCF: Bioconcentration Factor.</p> <p>BOD: Biochemical Oxygen Demand.</p> <p>EC<sub>50</sub>: 50% of maximal Effective Concentration.</p> <p>LOAEC: Lowest Observed Adverse Effect Concentration.</p> <p>LOAEL: Lowest Observed Adverse Effect Level.</p> <p>NOAEL: No Observed Adverse Effect Level.</p> <p>NOEC: No Observed Effect Concentration.</p> <p>LOEC: Lowest Observed Effect Concentration.</p> <p>DMEL: Derived Minimal Effect Level.</p> <p>UN: United Nations.</p> <p>IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).</p>
<b>Key literature references and sources for data</b>	Dangerous Properties of Industrial Materials Report, N.Sax et.al.
<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	10/05/2022
<b>Revision</b>	6
<b>Supersedes date</b>	11/01/2022
<b>SDS number</b>	21716
<b>Hazard statements in full</b>	<p>H226 Flammable liquid and vapour.</p> <p>H302 Harmful if swallowed.</p> <p>H302+H332 Harmful if swallowed or if inhaled.</p> <p>H312 Harmful in contact with skin.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H332 Harmful if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H361f Suspected of damaging fertility.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>

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