

## SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product Identifier

Product name: **Treadmaster Rapid Part B**

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

Identified uses: Adhesives, sealants.

#### 1.3. Details of the supplier of the Safety Data Sheet

Company name: Tiflex Limited  
Tiflex House  
Liskeard, Cornwall  
PL14 4NB.  
Telephone: +44 (0)1579 320808  
Fax: +44 (0)1579 320802  
E-mail: [sward@tiflex.co.uk](mailto:sward@tiflex.co.uk) Steve Ward - Technical Manager

#### 1.4. Emergency telephone number

Emergency tel: +44 (0)1579 320808 Office hours Mon-Thurs 9am - 5 pm, Fri 9am - 2pm

### SECTION 2: HAZARDS IDENTIFICATION

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

##### 2.1.1 Classification according to CLP:

Physical hazards: Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317

Environmental hazards: Aquatic Chronic 3: H412;

2.1.2 Classification according to CHIP: Xn: R20/22; C: R34; Sens.: R43; -: R52/53

2.1.3 Additional information: Human health: May cause sensitisation or allergic reactions in sensitive individuals.  
Environmental: The product contains a substance which is toxic to aquatic organisms.

#### 2.2 Label elements

Labelling according to CLP:

Hazard pictograms:



GHS05

GHS07

GHS 09

Signal words: Danger

Hazard statements: H302 Harmful if swallowed.  
H314 Causes severe burns and eye damage.  
H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements: EUH205 Contains epoxy constituents. May produce an allergic reaction.  
P260 Do not breathe vapour / spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection  
P281 Use personal protective equipment as required.  
P284 [In case of inadequate ventilation] wear respiratory protection.  
P305 + 351+ 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.  
P313 Get medical advice / attention.  
P501 Dispose of contents / container to national regulations.

Contains: TETRAETHYLENEPENTAMINE, phenol, styrolisiert, trimethylhexane-1,6-diamine, m-

phenylenebis(methylamine), phenol, methylstyrolisiert, reaction products of propane-1,2-diol, propoxylated by animation of the terminal hydroxyl groups, salicylic acid.

**Supplementary precautionary statements:**

- P261 Avoid breathing vapour / spray.  
P264 Wash contaminated skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P301 + 312 IF SWALLOWED: Call a POISON CENTER / doctor if you feel unwell.  
P301 + 330 IF SWALLOWED: Rinse mouth . Do NOT induce vomiting.  
+331  
P302 + 352 IF ON SKIN: Wash with plenty of water.  
P303 + 361 + 353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.  
P304 + 340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P310 Immediately call a POISON CENTRE / doctor.  
P312 Call a POISON CENTRE / doctor if you feel unwell.  
P321 Specific treatment (see medical advice on this label).  
P330 Rinse mouth.  
P333 + 313 If skin irritation or rash occurs: Get medical advice / attention.  
P363 Wash contaminated clothing before re-use.  
P391 Collect spillage.  
P405 Store locked up.

**2.3 Other hazards**

**PBT:** This material is not Classified as PBT by current EU criteria.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

**Hazardous Ingredients**

CAS No.	EINECS No.	REACH Registration No.	Identification name	% Weight	Classification according to Regulation (EC) No 1278/2008 (CLP)
112-57-2	203-986-2		TETRAETHYLENEPENTAMINE	30 - 60	Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411
61788-44-1	262-975-0		Phenol, Styrolisiert	10 - 30	Aquatic Chronic 2 - H411 Skin Irrit. 2: H315 Skin Sens. 1 - H317
25513-64-8	-		Trimethylhexane-1, 6-diamine	10 - 30	Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Chronic 3 - H412
1477-55-0	216-032-5	01-2119480150-50-XXXX	M-phenylenebis(methylamine)	5 - 10	Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Skin Sens. 1 - H317 Eye Dam. 1 - H318
68512-30-1	270-966-8	01-2119555274-38-XXXX	Phenol, Methylstyrolisiert	5 - 10	Skin Irrit. 2: H315 Skin Sens. 1 - H317 Skin Corr. 1B - H314 Eye Dam. 1 - H318
		01-2119557899-12-XXXX	Reaction products of propane-1,2-diol, propoxylated by animation of the terminal hydroxyl groups.	1 - 5	Eye Dam. 1 - H318
69-72-7	200-712-3	01-2119486984-17-XXXX	Salicylic Acid	1 - 5	Acute Tox. 4 - H302 Eye Dam. 1 - H318

**SECTION 4: FIRST AID MEASURES**

#### **4.1. Description of first aid measures**

<b>General information:</b>	Remove affected person from source of contamination. In all cases of doubt, or when symptoms persist, seek medical attention.
<b>Following skin contact:</b>	Remove all contaminated clothing and footwear immediately unless stuck to the skin. Wash skin immediately with soap and water. Get medical attention if any discomfort continues.
<b>Following eye contact:</b>	Rinse eye immediately with plenty of water. Remove any contact lenses and open the eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to medical personnel.
<b>Following ingestion:</b>	DO NOT induce vomiting. Get medical attention immediately.
<b>Following inhalation:</b>	Remove the affected person to fresh air at once, ensuring one's own safety first. Get medical attention if any discomfort persists.

#### **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>Skin contact:</b>	Causes severe skin burns and eye damage. Causes skin and eye irritation.
<b>Eye contact:</b>	Causes severe skin burns and eye damage.
<b>Ingestion:</b>	May cause discomfort if swallowed.
<b>Inhalation:</b>	Irritation of the nose, throat and airway. Coughing, chest tightness, feeling of chest pressure.
<b>Delayed / immediate effects:</b>	Immediate effects can be expected after short-term exposure.

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

<b>Immediate / special treatment:</b>	No specific recommendations. If in doubt, get medical attention promptly.
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### **SECTION 5: FIRE FIGHTING MEASURES**

#### **5.1. Extinguishing media**

<b>Suitable extinguishing media:</b>	Extinguish with foam, carbon dioxide, dry powder or water fog.
<b>Unsuitable extinguishing media:</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Specific hazards:</b>	The product is non-combustible. Irritating gases or vapours.
<b>Hazardous combustion products:</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of Carbon. Oxides of Nitrogen.

#### **5.3. Advice for Fire-fighters**

<b>Protective actions during firefighting:</b>	Containers close to fire should be removed or cooled with water. DO NOT allow water to contact any leaked material.
<b>Special protective equipment for firefighters:</b>	Wear chemical protective suit. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

<b>Protective equipment:</b>	Wear protective clothing as described in Section 8 of this Safety Data Sheet.
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#### **6.2. Environmental precautions**

<b>Environmental precautions:</b>	Do not discharge into drains or watercourses or onto the ground.
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#### **6.3. Methods and materials for containment and cleaning up**

<b>6.3.1. Containment procedures:</b>	Contain the spillage using bunding.
<b>6.3.2. Clean up procedures:</b>	Absorb spillage with a non-combustible absorbent material. Collect and place in suitable waste disposal container and seal securely. Provide adequate ventilation. Contain spillage with sand or other suitable non-combustible material. Avoid spillage runoff from entering drains, sewers or watercourses.

#### **6.4. Reference to other sections**

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for more

detailed information on health effects and symptoms. For waste disposal, see Section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

**Usage precautions:** Avoid inhalation of vapours and spray / mists. Avoid contact with skin and eyes. Do not use in confined spaces without adequate ventilation and / or respirator. Spraying is permitted only in closed systems, spray cabinets or spray boxes with adequate ventilation.

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

**Storage precautions:** Store in closed original container at temperatures between 5°C and 25°C.

**Storage class:** Chemical storage.

### 7.3. Specific end use (s)

**Specific end use(s):** Not applicable.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### 8.1. DNEL/PNEC Values

**DNEL/PNEC:** No data available.

### 8.2. Exposure controls

#### Protective Equipment



**8.2.1. Appropriate engineering controls:** Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

#### 8.2.2.2. Personal protection equipment:

**8.2.2.2.(a) Eye protection:** Wear chemical splash goggles.

**8.2.2.2.(b) Skin protection:** (i) Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber.  
(ii) Wear suitable protective clothing as protection against splashing or contamination. Wear apron or protective clothing in case of contact.

**8.2.2.2.(c) Respiratory protection:** If ventilation is inadequate, suitable respiratory protection must be worn. In confined or poorly ventilated spaces a supplied-air respirator must be worn. Wear respirator fitted with the following cartridge: Gas filter, type AX

**8.2.2.2.(d) Thermal hazards:** The molten product can cause serious burns.

**8.2.3. Environmental exposure controls:** Keep container tightly sealed when not in use.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

**Appearance:** Coloured liquid

**Colour:** Various colours.

**Odour:** Characteristic.

**Odour threshold:** Not available.

**pH:** Not available.

**Melting point:** Not applicable.

**Initial Boiling Point / Range:** Not applicable.

**Flash Point:** > 200°C CC (Closed cup)

**Evaporation rate:** Slow

**Evaporation factor:** Not available.

**Flammability (solid, gas):** Not available.

**Upper / lower flammability or explosive limits:** Not applicable.

<b>Other flammability:</b>	Not available.
<b>Vapour density:</b>	Not applicable.
<b>Relative density:</b>	1.06 @20°C
<b>Bulk density:</b>	Not available.
<b>Solubility(ies):</b>	Insoluble in water. Hardens in contact with water.
<b>Partition coefficient:</b>	Not available.
<b>Auto-ignition temperature:</b>	> 600°C
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Kinematic viscosity > 20.5 mm <sup>2</sup> /s
<b>Explosive properties:</b>	Not available.
<b>Explosive under the influence of a flame:</b>	Not considered to be explosive.
<b>Oxidising properties:</b>	Not available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

**Reactivity:** The product will harden into a solid mass in contact with water and moisture.

### 10.2. Chemical stability

**Chemical stability:** Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Not applicable. May polymerise.

### 10.4. Conditions to avoid

**Conditions to avoid:** Avoid contact with water. Strong alkalis.

### 10.5. Incompatible materials

**Materials to avoid:** Strong acids. Strong alkalis.

### 10.6. Hazardous decomposition products

**Haz. Decomp. Products:** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of Nitrogen.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

ATE oral (mg/Kg) 841.75

#### Acute toxicity - dermal

ATE dermal (mg/kg) 2,972.97

#### Acute toxicity - inhalation:

ATE inhalation (gases ppm) 53,571.43

ATE inhalation (vapours mg/l) 130.95

ATE inhalation (dusts / mists mg/l) 17.86

#### Skin corrosion / irritation:

Animal data: Irritating.

#### Serious eye damage / irritation:

Serious eye damage / irritation: Moderately irritating.

#### Respiratory sensitisation:

Respiratory sensitisation: Data lacking.

#### Carcinogenicity:

Target organ for carcinogenicity: No specific target organs known.

#### Reproductive toxicity:

Reproductive toxicity development: This substance has no evidence of toxicity to reproduction.

<b>Aspiration hazard:</b>	Not anticipated to present an aspiration hazard, based on chemical structure.
<b>Inhalation:</b>	Irritating to respiratory system.
<b>Ingestion:</b>	May cause stomach pain or vomiting.
<b>Skin contact:</b>	Causes severe skin burns and eye damage. May irritate eyes and skin.
<b>Eye contact:</b>	Causes severe skin burns and eye damage.
<b>Acute and Chronic health hazards:</b>	May cause respiratory system irritation.
<b>Route of entry:</b>	Inhalation, skin and / or eye contact.
<b>Medical symptoms:</b>	Irritation of the eyes and mucous membranes. Coughing, chest tightness, a feeling of chest pressure.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecotoxicity values:** Dangerous for the environment.

### 12.1. Toxicity

<b>Acute toxicity - fish:</b>	LC50	96 hours	> 1000	mg/l	Freshwater fish
<b>Acute toxicity - aquatic invertebrates:</b>	EC <sub>50</sub>	48 hours	> 500	mg/l	Daphnia magna
<b>Acute toxicity - aquatic plants:</b>	EC <sub>50</sub>	72 hours	1640	mg/l	Scenedesmus subspicatus

### 12.2. Persistence and degradability

**Persistence and degradability:** This product is not readily biodegradable.

**Stability (hydrolysis):** Reacts with water.

**Biological oxygen demand:** < 10 g O<sub>2</sub>/g substance.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** This product does not contain any substances expected to be bioaccumulating.

**Partition coefficient** Not available.

### 12.4. Mobility in soil

**Mobility:** This product is non-volatile.

### 12.5. Results of PBT and vPvB assessment

**PBT/vPvB identification:** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**General information:** Waste should be treated as controlled waste. Dispose of waste to a licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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

## SECTION 14: TRANSPORTATION INFORMATION

### 14.1. UN Number

**UN number:** UN2735

### 14.2. UN proper shipping name

**Shipping name:** AMINES, LIQUID, CORROSIVE, N.O.S.

### 14.3. Transport hazard class(es)

**Transport class:** 8  **Classification code:** C7

### 14.4. Packing group

**Packing group:** II

#### 14.5. Environmental hazards

Environmentally hazardous / Marine pollutant:



#### 14.6. Special precautions for user

EmS	F-A, S-F	Hazard identification No. (ADR/RID):	80
ADR Transport category:	2	Tunnel restriction code:	(E)
Emergency action code:	2X		

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code"

### SECTION 15: REGULATORY INFORMATION

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

#### 15.2. Chemical Safety Assessment

**Chemical Safety Assessment:** No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

### SECTION 16: OTHER INFORMATION

**Other Information:** This safety data sheet is prepared in accordance in accordance with Commission Regulation (EU) No 453/2010

<b>Phrases used in s.2 and 3:</b>	H302	Harmful if swallowed.
	H312	Harmful in contact with skin.
	H314	Causes severe burns and eye damage.
	H315	Causes skin irritation.
	H317	May cause allergic skin reaction.
	H318	Causes serious eye damage.
	H332	Harmful if inhaled.
	H411	Toxic to aquatic life with long lasting effects.
	H412	Harmful to aquatic life with long lasting effects.

Information on this Health and Safety Data Sheet is drawn from a variety of sources, including raw material suppliers data, and other published sources.

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