



## HEALTH AND SAFETY DATA SHEET

### 1. IDENTIFICATION OF PRODUCT AND SUPPLIER

**Product Name** Treadmaster Adhesive No. 15 Part B  
**Supplier** Tiflex Limited  
Tiflex House  
Liskeard, Cornwall  
PL14 4NB.  
**Telephone** +44 (0)1579 320808  
**Fax** +44 (0)1579 320802

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Approx.	Hazard Classification and Risk
3,6,9-Triazaundecamethylenediamine	112-57-2	1 - 10 %	Xn, R21/22, C,R34, R43, N, R51/53
Tetraethylenepentamine	112-57-2	< 10 %	R21-22, R34, R43, R51/53

### 3. HAZARDS IDENTIFICATION

**Main Hazards:** Irritating to skin. May cause sensitization by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 4. FIRST AID MEASURES (Symptoms)

**Skin contact:** Irritating to skin and eyes. May cause sensitisation by skin contact.

**Eye contact:** Irritating to skin and eyes.

### 4. FIRST AID MEASURES (Action)

**Skin Contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. If irritation persists consult a physician.

**Eye Contact:** Rinse eye immediately with plenty of water, continue to rinse for at least 15 minutes. Call a physician immediately.

**Ingestion:** Immediately give plenty of water (if possible charcoal slurry) only if victim is fully conscious. DO NOT induce vomiting, seek medical attention.

**Inhalation:** Remove casualty to fresh air at once, keep warm and at rest. Consult a physician.

### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Water spray, Carbon Dioxide. Foam. Dry powder. DO NOT use a high volume water jet.

**Exposure Hazards:** In combustion emits toxic fumes.

**Personal Protection:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6. SPILLAGE AND ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Keep away from all sources of ignition. NO smoking. Avoid contact with skin, eyes and clothing. DO NOT breath dust or fumes.
<b>Environmental precautions:</b>	Prevent product from entering drains. DO NOT contaminate surface water. Avoid subsoil penetration.
<b>Clean-up procedures:</b>	Soak up with inert absorbent material and dispose of as harzardous waste.

## 7. HANDLING AND STORAGE

<b>Handling Precautions:</b>	Sensitizing. Avoid formulation of aerosol. Ensure adequate ventilation. Handle and open container with care. Keep away from sources of ignition - NO smoking.
<b>Storage:</b>	Keep away from food, drink and animal feeding stuffs. Keep container tightly closed. Keep attemperatures between 2°C - 40°C. Storage class 12, Liquids, not dangerous.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT

<b>Engineering measures:</b>	No special precautions required. DO NOT breathe vapours/dust. Keep away from sources of ignition - No smoking. Avoid contact with skin, eyes and clothing.
<b>Respiratory protection:</b>	In case of insufficient ventilation wear suitable respiratory equipment.Filter type AX-P2 (organic vapours, particles).
<b>Hand protection:</b>	Materials of gloves for long-term application (BTT>480min): butyl rubber, Ethyl Vinyl Alcohol Laminated (EVAL). Material of gloves for short term/splash application (10 min<BTT<480min): Nitrile rubber, Neoprene rubber. Use gloves approved to relevant standards e.g. EN374 (europe), F739(US). Suitability & durability of a glove is dependant on usage e.g. frequency & duration of contact, chemical resistance of glove material & dexterity. Always seek advice from glove suppliers.
<b>Eye protection:</b>	Tightly fitting safety goggles. Face shield.
<b>Skin protection:</b>	Protective suit, safety shoes.

## 9. PHYSICAL CHARACTERISTICS

<b>Form:</b>	Liquid
<b>Colour:</b>	Brown
<b>Odour:</b>	Amine-like
<b>Solubility in Water:</b>	at 20°C Note: practically insoluble.
<b>Also solubility in:</b>	Miscibility with water: Immiscible.
<b>Viscosity value:</b>	300-700
<b>Viscosity test method:</b>	mPa.s @ 25°C
<b>Boiling point/range °C:</b>	>200
<b>Flash Point°C:</b>	> 200 c/c
<b>Vapour pressure:</b>	<10Pa @ 20°C
<b>Relative density:</b>	0.956 g/cm3 @ 20°C
<b>pH:</b>	11 20°C

## 10. STABILITY AND REACTIVITY

<b>Conditions to avoid:</b>	Take necessary action to avoid static electricity discharge.
<b>Materials to avoid:</b>	Strong acids. Strong Bases. Strong oxidising agents.
<b>Haz. Decomp. Products:</b>	Carbon Oxides. Nitrogen oxides.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	TM No. 15 adhesive Part B
	ORL RAT LD50 > 5,000 mg/kg
<b>Hazardous ingredients:</b>	3,6,9-Triazaundecamethylenediamine
	IPR RAT LD50 205 mg/kg
	IVN MUS LD50 320 mg/kg
	ORL RAT LD50 3990 mg/kg

**Chronic toxicity:** Eye irritation - Rabbit, Skin irritation - Rabbit dermal, Causes sensitization - Guinea pig dermal.

## 12. ECOLOGICAL INFORMATION

Other adverse effects: Avoid subsoil penetration. Prevent product from entering drains, DO not contaminate surface water.

## 13. DISPOSAL CONSIDERATIONS

Disposal operations: Must be incinerated, when in compliance with local regulations.

**Waste code No:** 070208

Disposal of packaging: Dispose of in regulated landfill site or other method for hazardous or toxic wastes.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## 14. TRANSPORTATION INFORMATION

### ADR / RID

**UN No:** -

**Shipping name:** NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS

### IATA / ICAO

**UN No:** -

### IMDG / IMO

**UN No:** -

## 15. REGULATORY INFORMATION

**Hazard Symbols:**  Irritating

**Risk Phrases:** R36/38 Irritating to eyes and skin.  
R43 May cause sensitization by skin contact.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety Phrases:** S24 Avoid contact with skin.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S37/39 Wear suitable gloves and eye/face protection..

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## 16. OTHER INFORMATION

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

This information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy his/herself as to the suitability of such information for his/her own particular use. This product falls within the scope of the Control of Substances Hazardous to Health (COSHH) Regulations. Users are reminded that this document does not in itself constitute an assessment of workplace risk as required by those regulations.