

# TRADE GRADE PRODUCTS LTD

## MATERIAL SAFETY DATA SHEET

### 1. Identification of the substance / preparation and company.

Product name	DeLam TX Part B
Supplier	Trade Grade Products Limited
Address	2 Thorne Way Woolsbridge Industrial Park Three Legged Cross Wimborne Dorset BH21 6FB
Emergency telephone number	01202 820177

### 2. Composition / Information on Ingredients.

Hardener component of a two part thixotropic epoxy adhesive.

<u>Material description</u>	<u>CAS No.</u>	<u>Health (class)</u>	<u>Risk (R No.)</u>
Diethylenetriamine	111-40-0	C	R21/22, R34, R43
Benzyl alcohol	100-51-6	Xn	R20/22
Isophorone diamine	2855-13-2	C	R21/22, R34, R43, R52/53

### 3. Hazards Identification.

Skin contact	Causes burns. May cause sensitisation by skin contact.
Eye contact	Irritating to eyes.
Inhalation	Harmful by inhalation.
Ingestion	Harmful if swallowed.
Environmental	Dangerous for the environment.

### 4. First Aid Measures.

Inhalation	If vapour has been inhaled in high concentrations move the affected person to fresh air, keep them warm and allow to rest. If there is difficulty breathing medical attention should be sought immediately.
Skin	Remove contaminated clothing immediately. Rinse affected skin with plenty of soap and water, using a mild cleaning agent, do not use solvents. If irritation persists obtain medical attention.
Eye	Immediately flush eyes with running water for at least 15 minutes without interruption. Obtain medical attention. If irritation persists obtain medical attention.
Ingestion	<b>DO NOT INDUCE VOMITING.</b> If patient vomits turn to recovery position. Drink plenty of water. Obtain medical attention. Never make an unconscious person drink fluids.

**5. Fire-fighting Measures.**

Extinguishing media	Foam / Water fog / Dry powder / CO <sup>2</sup> . Do not use a water jet.
Personal protection	Wear self-contained breathing apparatus and a protective suit.

**6. Accidental Release Measures.**

Spillages should be contained by and covered with sand, sawdust or other inert material. The mixture can then be placed into suitable containers and the spill area cleaned with detergent and water. Dispose of as hazardous waste in accordance with local regulations.

**7. Handling and Storage.**

Handling	When handling do not eat, drink or smoke. Do not breathe vapour. Avoid contact with skin and eyes. Use only in well ventilated areas. Provide adequate air exchange / exhaust in the work room. Handle and open container with care.
Storage	Keep away from food, drink and animal feeding stuffs. Keep container tightly closed. Store at room temperature in the original container. Store away from epoxy resins, amines and oxidising agents.

**8. Exposure Controls / Personal Protection.**

Exposure limits	Diethylenetriamine 8 Hours TWA OEL = 4.3 mg/m <sup>3</sup>
Respiratory protection	None required providing suitable ventilation. If local exhaust ventilation is inadequate a respirator fitted with an organic vapour cartridge should be worn.
Hand protection	Wear plastic or rubber gloves.
Eye protection	Wear chemical goggles.
Skin protection	Overalls and enclosed footwear. Wash hands before work breaks and after work.

**9. Physical and Chemical Properties.**

Appearance	Liquid
Odour	Smell of ammonia
Flash point	> 100°C DIN51758
Boiling point	> 190°C
Viscosity	> 10 mPa.s @ 25°C
Vapour pressure	< 1 Pa @ 20°C
Density	c/a 1 gram per cc @ 25°C

**10. Stability and Reactivity.**

Thermal decomposition	Stable thermal decomposition. > 200°C
Hazardous reactions	Static charges, strong oxidising agents, strong bases.
Hazardous decomposition products	Ammonia, oxides of nitrogen, carbon and other hazardous gases are released.

**11. Toxicological Information.**

LD50 Oral (rats)	2000 mg/Kg
Skin irritation	Corrosive. Causes sensitisation.
Eye irritation	Corrosive.
Inhalation	Irritant.
Ingestion	Severe damage to mouth, throat and digestive tract.

**12. Ecological Information.**

Avoid subsoil penetration. Do not allow product to enter drains, sewers or waterways. Do not contaminate surface water. Mobile liquid. Miscible with water. Not expected to biodegrade. Expected to be bioaccumulative.

**13. Disposal Consideration.**

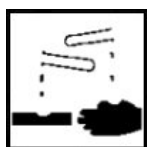
Must be incinerated in compliance with local regulations. Disposal should be in accordance with the Environmental Protection (Duty of Care) Regulations 1991.

**14. Transport Information.**

Proper shipping name	Environmentally hazardous material, Corrosive liquid, n.o.s.
RID / ADR	UN3082 Class 9, Packing group III
IMDG-Code	UN3082 Class 9, Packing group III
ICAO	UN3082 Class 9, Packing group III
Flashpoint	> 100°C DIN51758

**15. Regulatory Information.**

CHIP Label for supply



CORROSIVE

Contains: Diethylenetriamine, Benzyl alcohol, Isophorone diamine.

Classification	C, N	
CHIP Risk phrases	R20/21/22 R34 R43 R51/53	Harmful by inhalation, in contact with skin and if swallowed. Causes burns. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
CHIP Safety phrases	S01/02 S24 S28  S29 S37/39	Keep locked up and out of the reach of children. Avoid contact with skin. After contact with skin wash immediately with plenty of soap and water.  Do not empty into drains. Wear suitable gloves and eye / face protection.

**16. Other Information.**

The information provided in this data sheet is based on our current knowledge of the product and is intended to describe it for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.