

TRADE GRADE PRODUCTS LTD

MATERIAL SAFETY DATA SHEET

1. Identification of the substance / preparation and company.

Product name TradePUR EM400 – Part B

Supplier Trade Grade Products Limited

Address 10 Victory Close
 Woolsbridge Industrial Park
 Three Legged Cross
 Wimborne
 Dorset
 BH21 6SX

Emergency telephone number 01202 820177

2. Composition / Information on Ingredients.

Ingredients	Range % Wt.	Symbol	R Phrases	EEC No
Mixture of diphenylmethane-4,4'-diisocyanate (MDI) with polymeric constituents MDI content.	35 % Approx	Xn	R20 R36/37/38 R42	202-966-0

3. Hazards Identification.

Inhalation Harmful by inhalation. Irritating to skin and mucous membrane.

4. First Aid Measures.

Inhalation If aerosol or vapour has been inhaled in high concentrations, remove patient to fresh air, keep warm and allow to rest.

Skin Remove contaminated clothing. Wash with soap and water.

Eye Flush with water for at least 15 minutes under running water with eyelids held open and obtain medical attention.

Ingestion **DO NOT induce vomiting.** Immediately rinse mouth and drink plenty of water. Obtain medical attention.

5. Fire-fighting Measures.

The material will not support combustion.

Small fires Use carbon dioxide, dry chemical, sand. **DO NOT** use water extinguisher.

Large fires Use foam or water fog. Keep containers cool by spraying with water.

In case of fire possible formation of carbon monoxide, nitrogen oxide, isocyanate vapour and traces of hydrogen cyanide.

6. Accidental Release Measures.

Cover with wet fluid binding material (sand, sawdust, etc). Transfer to labelled open-top container. Keep open and wet for 7-14 days, the waste can then be disposed of at approved landfill site.

7. Handling and Storage.

Handling	Ensure adequate ventilation or exhaust ventilation in the working area; if material is being sprayed or heated above 50°C.
Storage	Keep containers tightly closed and dry. Avoid temperatures below 10°C and above 50°C.

8. Exposure Controls / Personal Protection.

	MDI (MEL) 0.02mg/m ³ 8 Hour TWA.
Respiratory protection	Required in inadequately ventilated workplaces.
Hand protection	Wear plastic or rubber gloves.
Eye protection	Wear chemical resistant goggles.
Body protection	Change contaminated clothing. Wash hands before breaks and at the end of work.

9. Physical and Chemical Properties.

Appearance	Brown liquid
Odour	Musty – Earthy
Solubility	Immiscible with water
Specific gravity	1.23 @ 20°C Approx.
Flash point	>200°C
Viscosity	200 cps @ 20°C Approx.
Percentage non-volatiles	Above 99%

10. Stability and Reactivity.

Thermal decomposition	Polymerises at about 260°C with evolution of CO ² .
Hazardous decomposition	No hazardous decomposition products when stored and handled correctly.
Hazardous reaction	Exothermic reaction with amines, alcohols, acids and alkalis. Reacts with water forming CO ² . Closed containers may rupture owing to increased pressure.

11. Toxicological Information.

LD50 Oral (rat)	> 500 mg/kg
Effect on eyes	Strong irritation, lacrymation, burning.
Effect on skin	Dehydration, possible sensitisation.

12. Ecological Information.

Ecotoxicity	Components may be harmful to aquatic life.
Bioaccumulation	Bioaccumulative potential of some components should be considered to be high due to low biodegradation rates.
Aquatic toxicity	Isocyanates; when in contact with water evolve CO ² and form insoluble solids. Do not allow to enter drains, sewers or waterways.

13. Disposal Consideration.

Disposal of the wet adhesive is governed by the Control of Pollution (Special Wastes) Regulations 1980.

Incinerate only in officially approved incinerator. Emptied containers should be disposed of at incineration plants for domestic or industrial waste.

14. Transport Information.

Not classified as hazardous for carriage under transport regulations.

Keep separate from foodstuffs.

15. Regulatory Information.

Risk Phrases

R20	Harmful by inhalation.
R36/37/38	Irritating to eyes, respiratory system and skin.
R42	May cause sensitisation by skin contact.
Contains:	Isocyanates, see information provided by the manufacturer.

Safety Phrases

S23	Do not breathe fumes.
S26	In case of contact with eyes rinse immediately with plenty of water, seek medical advice.
S28	After contact with skin wash immediately with plenty of soap and water.
S38	In case of insufficient ventilation wear suitable respiratory equipment.
S45	In case of accident or if you feel unwell seek medical advice immediately (show the label if possible).

16. Other Information.

Other information This adhesive should be used in accordance with the suppliers recommendations.

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.