

# TRADE GRADE PRODUCTS LTD

## MATERIAL SAFETY DATA SHEET

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

Product name                      Tradeure HypaBond

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.**

<u>Name</u> <u>CAS No.</u>	<u>EINECS No.</u>	<u>Content %</u>	<u>Symbol</u>	<u>R Phrases</u>
THIONOPHOSPHORIC ACID-TRIS-(P-ISOCYANATOPHENYL ESTER) IN SOLVENT 4151-51-3		10-30	Xn, F	R36, R42, R66, R67
ETHYL ACETATE 141-78-6	205-500-4	60-100	Xi, F	R11, R36, R66, R67
CHLOROBENZENE 108-90-7	203-628-5	1-5	Xn, N	R10, R20, R51/53

### **3. Hazards Identification.**

Highly flammable. Irritating to eyes. May cause sensitisation by inhalation. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

### **4. First Aid Measures.**

Inhalation                              If vapour has been inhaled in high concentrations, remove patient to fresh air, keep warm and allow to rest. If there is difficulty with breathing seek medical attention.

Skin                                        Remove any clothing that has become contaminated. Prolonged or repeated contact can destroy the skins natural oils. Wash with soap and water.

Eye                                         Vapour and splashed liquid can irritate the eyes. Flush with water for at least 15 minutes under running water with eyelids held open and obtain medical attention.

Ingestion                                 DO NOT induce vomiting. Obtain medical attention.

### **5. Fire-fighting Measures.**

Extinguishing media                      Fire can be extinguished using POWDER or FOAM.

Hazardous combustion products      Toxic gases/vapours/fumes of carbon dioxide (CO<sup>2</sup>), carbon monoxide (CO), isocyanate vapours, hydrogen cyanide (HCN) and nitrous gases (NOx).

Personal protection                      Wear self-contained breathing apparatus.

**6. Accidental Release Measures.**

Fire hazard	Extinguish all naked flames and avoid sparks. DO NOT SMOKE.
Personal protection	Avoid contact with skin and eyes and avoid breathing the vapours. Wear goggles, gloves and respiratory.
Environmental precautions	Prevent liquid entering sewers, basements and work pits where the vapour may create an explosive atmosphere. If substance has entered drains inform police or fire service.
Clean up of spillages	Use non-sparking tools. Absorb liquid in sand or earth and then remove to metal containers suitably labelled with details of the hazard. Do not seal containers immediately (evolution of CO <sup>2</sup> ), allow to ventilate for several days before sealing.

**7. Handling and Storage.**

Handling	Keep away from heat, sparks and open flames. Ensure adequate ventilation or exhaust ventilation in the working area. Avoid inhaling vapour; avoid contact with skin and eyes. Use approved respirator if air contamination is above acceptable levels. All storage and transfer systems should be earthed to prevent the build up of static electricity.
Storage	Store in accordance with The Highly Flammable Liquids Regulations. Temperatures in the storage area should not exceed 25°C. Drums should always be tightly closed after use.
Packaging materials	Mild steel, stainless steel.

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

Exposure limits	<u>STD</u>	<u>Long term exposure</u> (TWA 8 Hours)	<u>Short term exposure</u> (10 Minutes)
THIONOPHOSHORIC ACID-TRIS-(P-ISOCYANATOPHENYL ESTER) IN SOLVENT	MEL	0.02mg/m <sup>3</sup>	0.07mg/m <sup>3</sup>
ETHYL ACETATE	OES	200ppm	400ppm
CHLOROBENZENE	MEL	1ppm	3ppm
Ventilation	Explosion-proof general and local exhaust ventilation.		
Respiratory protection	Required in inadequately ventilated workplaces. Wear a mask fitted with: Gas Cartridge (Organic Substances). In case of hypersensitivity of the respiratory tract (e.g. asthmatics and those who suffer from chronic bronchitis) it is inadvisable to work with the product.		
Hand protection	Wear plastic or rubber gloves.		
Eye protection	Wear chemical resistant goggles.		
Body protection	Wear protective clothing. Change contaminated clothing. Wash hands before breaks and at the end of work.		

**9. Physical and Chemical Properties.**

Appearance	Liquid, Yellow to Brownish.
Odour	Ether like
Density / Specific gravity	1.0
Solubility	Reacts with water.
Flash point	-4°C
Flammability	Highly flammable

**10. Stability and Reactivity.**

Stability	Stable under normal conditions. Avoid heat/sparks/flames.
Reactivity	Exothermic reaction with amines and alcohols, reacts with water forming CO <sup>2</sup> , in closed containers risk of bursting owing to increased pressure.

**11. Toxicological Information.**

Effect on eyes	May cause conjunctive irritation and corneal damage.
Effect on skin	Prolonged exposure may cause irritation, dryness and skin cracking.
Effect of inhalation	Drowsiness, dizziness, disorientation, vertigo. May cause sensitisation.
Effect of ingestion	May cause stomach pain or vomiting.

**12. Ecological Information.**

Ecotoxicity	Contamination of the terrestrial and aquatic environments should be avoided.
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**13. Disposal Consideration.**

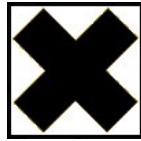
Dispose of in accordance with local authority requirements.

**14. Transport Information.**

UN Number	1993	RID Class Number	3
UK Road Transport Class	3	RID Packing Group	II
UK Road Packing Group	II	IMDG Class	3
ADR Class Number	3	IMDG Packing Group	II
ADR Class	Flammable liquids	EmS Number	3-07
ADR Packing Group	II	Marine Pollutant	No
ADR Label Number	3	UN Number AIR	1993
HAZCHEM Code	3YE	ICAO Class	3
CEFIC TEC(R) Number	30GF1	Air Packing Group	II
Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (ETHYL ACETATE, CHLOROBENZENE)		

**15. Regulatory Information.**

CHIP Regulation Label



HARMFUL



HIGHLY  
FLAMMABLE

Contains

THIONOPHOSHORIC ACID-TRIS-(P-ISOCYANATOPHENYL ESTER) IN SOLVENT

CHIP Risk Phrases

R11 Highly flammable.  
 R36 Irritating to eyes.  
 R42 May cause sensitisation by inhalation.  
 R66 Repeated exposure may cause skin dryness and cracking.  
 R67 Vapours may cause drowsiness and dizziness.

Safety Phrases

S9 Keep containers in a well ventilated place.  
 S16 Keep away from sources of ignition – NO SMOKING.  
 S23 Do not breathe vapour.  
 S25 Avoid contact with eyes.  
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S29 Do not empty into drains.  
 S36/37/39 Wear suitable protective clothing and gloves and eye/face protection.  
 S38 In case of insufficient ventilation, wear suitable respiratory equipment.  
 S45 In case of accident or if you feel unwell, seek medical advice (show the label).  
 S60 This material and its container must be disposed of as hazardous waste.

Regulatory references

CHIP Regulations 1990  
 Health & Safety At Work Act 1974  
 COSHH Regulations 1988

**16. Other Information.**

Other information

This adhesive should be used in accordance with the supplier's 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.

Revision Date

April 2004

R Phrases (section 2)

R11 – Highly flammable, R36 – Irritating to eyes, R66 – Repeated exposure may cause skin dryness or cracking, R67 – Vapours may cause drowsiness and dizziness, R10 – Flammable, R20 – Harmful by inhalation, R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment, R42 – May cause sensitisation by skin contact.