

# TRADE GRADE PRODUCTS LTD

## MATERIAL SAFETY DATA SHEET

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

Product name	Tradegrip 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>Material description</u>	<u>CAS No.</u>	<u>EINECS No.</u>	<u>% Content</u>	<u>Health (class)</u>	<u>Risk (R No.)</u>
Toluene	108-88-3	203-625-9	10-30	Xn	R20
Butanone	78-93-3	201-159-0	10-30	Xi	R36, R66/67
Hydrocarbon blend			10-30	Xn	R65
Tall oil rosin	8052-10-6	232-484-6	0-1	Xi	R43

### 3. Hazards Identification.

Main hazards	Highly flammable. Harmful by inhalation. Irritating to eyes. Repeated exposure may cause skin dryness or cracking.
--------------	--

### 4. First Aid Measures.

Skin contact	Remove all contaminated clothing and footwear immediately unless stuck to skin. Dry skin with paper towels or similar. Do not use solvents. Clean skin using a resin removing cream or hand cleanser. Finally wash with soap and water.
Eye contact	Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
Ingestion	<b>DO NOT induce vomiting.</b> Get medical attention immediately.
Inhalation	Remove the patient to fresh air immediately. Ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Get medical attention.

### 5. Fire-fighting Measures.

Extinguishing media	Chemical powder or alcohol resistant foam. Do not use water.
Exposure hazard	In combustion emits toxic fumes of carbon dioxide and carbon monoxide.
Personal protection	Wear self-contained breathing apparatus.

**6. Accidental Release Measures.**

Personal precautions	Ventilate the area. If necessary wear self-contained breathing apparatus. Note; the vapour is heavier than air and will collect in low areas.
Environmental precautions	Prevent the liquid entering drains, sewers or waterways. If the substance enters drains, sewers, etc inform the police or fire service. Contain the spillage using bunding.
Clean up of spillages	Absorb into dry earth, sand, sawdust, etc. and store in a closed <u>metal</u> container (labelled with contents description) for subsequent disposal. Wash the spillage site with large amounts of clean water.

**7. Handling and Storage.**

Handling	This adhesive must be used in accordance with the requirements of The Highly Flammable Liquids and Liquefied Petroleum Gases Regulations 1972. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented. Avoid inhalation of vapours. Avoid skin and eye contact.
Storage	Store in a cool, dry, well ventilated place. Keep containers tightly closed. Store between 5°C and 25°C.
Packaging materials	Must only be stored and used in original packaging.

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

Exposure limits	
Toluene	50 ppm (8 hours) 150 ppm (15 minutes)
Butanone	200 ppm (8 hours) 300 ppm (15 minutes)
Hydrocarbon blend	400 ppm (8 hours)
Ventilation	Ensure good ventilation by means of local extraction at point of use.
Respiratory protection	Wear respiratory protection where there is a risk of exposure to concentrations above OEL (occupational exposure limit). Self-contained breathing apparatus must be available for emergencies.
Hand protection	Wear plastic or rubber gloves. Avoid skin contact.
Eye protection	Wear chemical resistant goggles.
Skin protection	Wear protective clothing with elasticised cuffs and closed neck. Boots made of PVC. Ensure safety shower is available for emergencies. Avoid skin contact.
Personal hygiene	Apply skin protection crème before handling. Remove contaminated clothing. Wash hands before breaks and at the end of work.

**9. Physical and Chemical Properties.**

Appearance	Medium viscous liquid
Colour	Light straw
Odour	Organic solvents
Solubility	Immiscible in water
Flash point	-30°C closed cup
Flammability limit – lower %	1.8
Solids content	23% (approx.)
Specific gravity	0.9°C

**10. Stability and Reactivity.**

Stability	Avoid temperatures above 30°C.
Materials to avoid	Strong oxidising agents. Flammable / combustible materials.
Hazardous decomposition products	In combustion, emits toxic fumes of carbon dioxide and carbon monoxide.

**11. Toxicological Information.**

Eye contact	Irritating to eyes.
Skin contact	Contact with skin has a defatting action leading to dermatitis.
Inhalation	Vapour may affect central nervous system and cause headaches, discomfort, vomiting, intoxication or unconsciousness. May cause irritation to the respiratory system.
Ingestion	Nausea, vomiting. Pneumonia may be the result if vomited material containing solvents reaches the lungs.
Health warnings	Prolonged or repeated inhalation may cause: Liver and/or Kidney damage.

**12. Ecological Information.**

Contamination of wildlife both marine and mammalian should be avoided. Once the solvent has evaporates there is no residual risk to the environment. The concentration of solvent vapour in the atmosphere must meet limits set in The Environmental Protection Act.

**13. Disposal Consideration.**

Disposal must be via a licensed waste contractor.

Disposal of the wet adhesive is governed by The Special Wastes Regulations 1996.

**14. Transport Information.**

**ADR / RID**

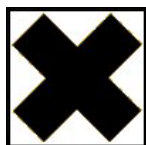
UN Number	1133	ADR Class	3, Flammable liquids
Item #	5(c)	Labelling	Highly Flammable
Shipping name	ADHESIVES		

**IMDG / IMO**

UN Number 1133  
 Packing group III

**15. Regulatory Information.**

CHIP Label for supply



HARMFUL



HIGHLY  
FLAMMABLE

CHIP Risk phrases	R11 R20 R36 R43 R66 R67	Highly flammable. Harmful by inhalation. Irritating to eyes. May cause sensitisation by skin contact. Repeated exposure may cause skin dryness or cracking. Vapours may cause dizziness or drowsiness.
CHIP Safety phrases	S16 S23 S24/25 S36/37 S45 S51	Keep away from sources of ignition – NO SMOKING. Do not breathe vapour. Avoid contact with skin and eyes. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show the label if possible). Use only in well ventilated areas.
Regulatory references	CHIP Regulations 1996 Health and Safety at Work Act 1974 COSHH Regulations 1994	

**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.

Information sources  
 CHIP Approved supply list.  
 CHIP Approved guide to the classification and labelling of substances and preparations dangerous for supply.  
 CHIP Approved carriage list.  
 Raw materials suppliers' literature.  
 Occupational exposure limits 1994 (EH40).