

# TRADE GRADE PRODUCTS LTD

## MATERIAL SAFETY DATA SHEET

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

Revision 1.0 - 22/08/2002

Product name Tradeweld Floor Kit Pro – 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.

Mixture of mannich base and benzyl alcohol.

<u>Material description</u>	<u>CAS No.</u>	<u>% Content</u>	<u>Health (class)</u>	<u>Risk (R No.)</u>
Mannich base	161278-17-7	30 – 35	C	R21/2, R34, R43, R53
Benzyl alcohol	100-51-6	30 – 40	Xn	R20/22
Diethyl-amino-3-propandiol-1,2	621-56-7	5 – 8	Xi	R36/38
m-xylene diamine	1477-55-0	20 – 25	C	R20/2, R34, R52/3
Diphenylol propane	80-05-7	< 5	Xi	R36/7/8, R43

### 3. Hazards Identification.

Human health hazards Causes burns. Harmful by inhalation, in contact with skin and if swallowed. May cause sensitisation by skin contact.

Safety hazards Not classified as flammable but will burn.

Environmental Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic 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. If irritation persists obtain medical attention.

Eye Immediately flush eyes with running water for at least 15 minutes without interruption. Obtain medical attention.

Ingestion **DO NOT INDUCE VOMITING.** If patient vomits turn to recovery position. Obtain medical attention immediately.

**5. Fire-fighting Measures.**

Small fires	Use carbon dioxide, dry chemical, sand, earth, water spray or fog. DO NOT use water jets.
Large fires	Use foam or water fog. Keep containers cool by spraying with water. DO NOT use water jets.
Personal protection	Wear self-contained breathing apparatus.
Hazardous products	Hazardous combustion products may include oxides of nitrogen and carbon.

**6. Accidental Release Measures.**

Extinguish all naked lights to allow maximum ventilation to the spillage area. Use sand, barrier, etc. to contain spillage and prevent entry into drainage systems, sewers and waterways. The spillage should be put into a clean container for approved disposal. If spillage enters waterways; notify the relevant authority immediately.

**7. Handling and Storage.**

Handling	Mix only in the ratios supplied by the manufacturer. A considerable heat build up can occur if large amounts of mixed material are left unused. If the product starts to fume, the container should be removed to fresh air and allowed to cool before disposal.  Prevent contact with skin, eyes and clothing. Do not breath mists, fumes, etc.
Storage	Keep containers tightly closed and dry. Avoid temperatures below 10°C and above 25°C.

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

Respiratory protection	Not normally required. In a confined space wear a half-mask respirator with organic vapour cartridge and built in particulate filter NPF 20 (gas only). If the product is applied by spraying, wear self-contained breathing apparatus.
Hand protection	Wear plastic or rubber gloves.
Eye protection	Goggles.
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	Pale yellow liquid
Odour	Aminic
Boiling point	205°C (estimated)
Flash point	105°C (PMCC / ASTM D93)
Auto ignition temperature	380°C (estimated)
Vapour pressure	Ca. 5 Pa at 20°C
Density	1090 kg/m <sup>3</sup> at 25°C (SMS 2570)
Solubility in water	Partially soluble.
pH value	12 (estimated)
Dynamic viscosity	0.3 – 0.7 Pa.s at 25°C (ASTM D-445)

**10. Stability and Reactivity.**

Stability	Stable under normal conditions of use. Hygroscopic.
Conditions to avoid	Avoid exposure to water.
Reactivity	Reacts with strong oxidising agents and strong acids.

**11. Toxicological Information.**

Basis for assessment	Based on data of the components of similar products.
Acute toxicity ORAL	Expected to be moderate. 200 < LD50 <= 2000 mg/kg
Acute toxicity INHALATION	Expected to be moderate. 1 < LC50 <= 5 mg/l
Acute toxicity DERMAL	Data not available.
Skin irritation	CORROSIVE.
Skin sensitisation	Expected to be a skin sensitiser.
Eye irritation	CORROSIVE.
Mutagenicity	Not expected to be a mutagenic hazard.

**12. Ecological Information.**

Mobility	Partly dissolves, but a significant proportion will remain after one day.
Persistence / Degradability	Expected to be not readily biodegradable.
Bioaccumulation	Has the potential to bioaccumulate.
Acute toxicity FISH	Slightly toxic – LC/EC/IC 50 <= 100 mg/l
Acute toxicity INVERTEBRATES	Slightly toxic – LC/EC/IC 50 <= 100 mg/l
Acute toxicity ALGAE	Very toxic – LC/EC/IC 50 <= 1 mg/l
Sewage treatment	Data not available.

**13. Disposal Consideration.**

Incinerate only in officially approved incinerator. Disposal of the wet adhesive is governed by the Control of Pollution (Special Wastes) Regulations 1980. Non-recoverable waste should be disposed of via a licensed waste disposal contractor. Material is non hazardous when used with Tradeweld Pro Part A and cured.

**14. Transport Information.****ROAD / RAIL ADR**

Class	8
Item	66(C)-
Hazard symbol	Corrosive substances.
Proper shipping name	CORROSIVE LIQUID, N.O.S (CONTAINS ALKYLAMINES)
Kemler number	80
UN Number	1760



**MARINE IMO**

UN Number	1760
Class	8
Packing group	III
Hazard symbol	Corrosive substances.
Marine pollutant	No
Proper shipping name	CORROSIVE LIQUID, N.O.S (CONTAINS ALKYLAMINES)

**AIR ICAO / IATA**

UN Number 1760  
 Class 8  
 Packing group III  
 Hazard symbol Corrosive substances.  
 Proper shipping name CORROSIVE LIQUID, N.O.S (CONTAINS ALKYLAMINES)

**15. Regulatory Information.**

CHIP Label for supply	 
	CORROSIVE      DANGEROUS FOR THE ENVIRONMENT Contains: Alkylamines and benzyl alcohol.
Classification	Corrosive, Dangerous for the environment.
CHIP Risk phrases	R34 Causes burns. R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R43 May cause sensitisation by skin contact. R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
effects	
CHIP Safety phrases	S24/25 Avoid contact with skin and eyes. S28 After contact with skin, wash immediately with plenty of soap and water. S36/37/39 Wear suitable gloves protective clothing and eye/face protection. S61 Avoid release into the environment.
Regulatory references	CHIP Regulations 1996 Health and Safety at Work Act 1996 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.

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Date 22/08/2004