

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 A

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.

Blend of liquid epoxy resin(s) and a reactive diluent.

<u>Material description</u>	<u>CAS No.</u>	<u>% Content</u>	<u>Health (class)</u>	<u>Risk (R No.)</u>
Epoxy resin – average molecular weight <700	25068-38-6	50 – 60	Xi, N	R36/8, R43, R51/3
Aliphatic glycidyl ether	68609-97-2	10 – 20	Xi, N	R36/8, R43, R51/3
Bisphenol F epichlorohydrin resin (amw <700)	28064-14-4	20 – 30	Xi, N	R36/8, R43, R51/3

3. Hazards Identification.

Skin contact Irritating to skin. May cause sensitisation by skin contact.

Eye contact Vapours may irritate eyes.

Safety hazards Not classified as flammable but will burn.

Environmental 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. If irritation persists obtain medical attention.

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

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.

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.
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	Slight
Flash point	> 150°C
Auto ignition temperature	Ca. 400°C (ASTM D-1929)
Density	1120 Kg/m ³ at 25°C (SMS 1347) Typical value.
Solubility in water	11.6 mg/l at 20°C
Dynamic viscosity	0.7 – 1.1 Pa.s at 25°C

10. Stability and Reactivity.

Stability	Stable under normal conditions of use.
Reactivity	Reacts with strong oxidising agents. Polymerises exothermically with amines, mercaptans and Lewis acids at ambient temperatures and above. Polymerises in contact with caustic soda. Reacts exothermically with bases, ammonia, primary and secondary amines, alcohols and acids.

11. Toxicological Information.

Basis for assessment	Based on data of the components of similar products.
Acute toxicity ORAL	Expected to be low. LD50 > 2000 mg/kg
Acute toxicity DERMAL	Expected to be low. LD50 > 2000 mg/kg
Skin irritation	Expected to be a slight irritant.
Skin sensitisation	Expected to be a skin sensitiser.
Eye irritation	Expected to be a slight irritant.
Mutagenicity	Not expected to be a mutagenic hazard.

12. Ecological Information.

Mobility	Product will sink in water. If product enters soil, one or more constituents will be mobile and may contaminate groundwater.
Persistence / Degradability	Expected to be not readily biodegradable.
Bioaccumulation	Has the potential to bioaccumulate.
Acute toxicity FISH	Very toxic – LC/EC/IC 50 ≤ 1 mg/l
Acute toxicity INVERTEBRATES	Toxic – LC/EC/IC 50 ≤ 10 mg/l
Acute toxicity ALGAE	Very toxic – LC/EC/IC 50 ≤ 1 mg/l
Sewage treatment	Expected to practically non-toxic, LC/EC/IC 50 > 100 mg/l

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 B and cured.

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

Class	9
Item	11(C)-
Hazard symbol	Miscellaneous substances.
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (CONTAINS EPOXY RESIN)
Kemler number	90
UN Number	3082



MARINE IMO

UN Number	3082
Class	9
Packing group	III
Hazard symbol	Miscellaneous substances.
Marine pollutant	No
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (CONTAINS EPOXY RESIN)

AIR ICAO / IATA

UN Number	3082
Class	9
Packing group	III
Hazard symbol	Miscellaneous substances.
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (CONTAINS EPOXY RESIN)

15. Regulatory Information.

CHIP Label for supply	 IRRITANT	 DANGEROUS FOR THE ENVIRONMENT
	Contains: Epoxy constituents. See information supplied by manufacturer.	
Classification	Xi	
CHIP Risk phrases	R36/38 R43 R51/53	Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
CHIP Safety phrases	S24/25 S28 S36/37/39	Avoid contact with skin and eyes. After contact with skin, wash immediately with plenty of soap and water. Wear suitable gloves protective clothing and eye/face protection.
Regulatory references	CHIP Regulations 1996 Health and Safety at Work Act 1996 COSHH Regulations 1994	

16. Other Information.

Other information	<p>This adhesive should be used in accordance with the supplier's recommendations.</p> <p>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.</p>
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