

TRADE GRADE PRODUCTS LTD

MATERIAL SAFETY DATA SHEET

1. Identification of the substance / preparation and company.

Product name	Tradeweld Acrylic
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>% Content</u>	<u>Health (class)</u>	<u>Risk (R No.)</u>
Methyl methacrylate	80-62-6	50 – 70	F Xi	R11 R36/37/38 R43
Butyraldehyde-aniline adduct	62-53-3	5 – 15	Xi	R20/21/22

3. Hazards Identification.

Skin contact	Irritating to skin. May cause sensitisation by skin contact.
Eye contact	Irritating to eyes.
Inhalation	Irritating to respiratory system.
Flammability	Highly flammable.

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. Drink water in small sips (Diluting effect). Obtain medical attention.

5. Fire-fighting Measures.

Small fires	Use carbon dioxide, foam or dry powder.
Large fires	Use carbon dioxide, foam, dry powder. Keep containers cool by spraying with water.
Personal protection	Wear self-contained breathing apparatus. Vapour is heavier than air and may travel to a source of ignition and flash back. May form explosive vapour/air mixture.

6. Accidental Release Measures.

Shut off all ignition charges. Wear suitable protective clothing including eye/face protection and gloves. Do not allow to enter sewers, drains or waterways. Absorb spillage into earth, sand or sawdust and shovel to a safe place using a spark proof shovel. Ventilate the area. Alcohol will precipitate the adhesive allowing it to be picked up without sticking.

7. Handling and Storage.

Handling	When handling do not eat, drink or smoke. Keep away from source of ignition. Do not breathe vapour. Avoid contact with skin and eyes. Use only in well ventilated areas.
Storage	Keep in a cool, dry, well ventilated area below 25°C. Keep away from sources of ignition. NO SMOKING.

8. Exposure Controls / Personal Protection.

Respiratory protection	Wear approved respirator if exposure is likely to exceed MEL / OES.			
Hand protection	Wear plastic or rubber gloves.			
Eye protection	Wear suitable eye / face protection.			
Personal hygiene	Remove contaminated clothing. Wash hands before breaks and at the end of work.			
Exposure limits	OES / LTEL	methyl-methacrylate	100ppm	410mg/m ³
	OES / STEL	methyl-methacrylate	125ppm	510mg/m ³

9. Physical and Chemical Properties.

Appearance	Pale brown liquid
Flammability	Highly flammable
Explosive limit	Upper 12.5% volume Lower 2.1% volume
Boiling point	100°C
Flash point (closed cup)	11°C
Auto ignition temperature	420°C
Specific gravity	1.02
Vapour pressure	28mmHg @ 20°C
Vapour density (air = 1)	3.46
Solubility	Immiscible with water

10. Stability and Reactivity.

Stability	Unstable in the presence of heat and peroxides.
Reactivity	May react under considerable heat build up.

11. Toxicological Information.

Inhalation	Irritating to respiratory system.
Skin contact	Causes sensitisation. Irritating to skin.
Eye contact	Irritating to eyes.

12. Ecological Information.

Not readily biodegradable.
 Harmful to fish.
 Harmful to aquatic invertebrates.

13. Disposal Consideration.

Disposal should be in accordance with the Environmental Protection (Duty of Care) Regulations 1991.

14. Transport Information.

UN number	1133
Packing group	III
Hazard class	3
Road / Rail	ADR Hazard Class 3

15. Regulatory Information.

CHIP Label for supply	Highly flammable and irritant. Contains: methyl-methacrylate.	
Classification	F and Xi	
CHIP Risk phrases	R11 R36/37/38 R43	Highly flammable Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact.
CHIP Safety phrases	S9 S16 S28 S29 S33 S37/39	Keep container in a well ventilated place. Keep away from sources of ignition – NO SMOKING. After contact with skin wash immediately with plenty of soap and water. Do not empty into drains. Take precautionary measures against static discharge. Wear suitable gloves and eye / face protection.
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.