



SAFETY DATA SHEET

VuduGlu™ VM100 Black Methacrylate Adhesive

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name VuduGlu VM100 Black Methacrylate Adhesive
Company Easy Composites Ltd
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 Park Hall Business Village
 Longton, Stoke-on-Trent
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2. HAZARDS IDENTIFICATION

Classification - 1999/45/EC F; R11 Xi; R36/37/38-43

Main hazards Highly flammable. Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	Index No.	CAS No.	EINECS No.	Conc. %	CAS Symbols/Risk phrases
Methyl methacrylate	607-035-00-6	80-62-6	201-297-1	60 - 70%	F; R11 Xi; R37/38 R43
2-Methylpropenoic acid (Methacrylic acid)	607-088-00-5	79-41-4	201-204-4	1 - 10%	Xn; R21/22 C; R35
Pyridine, (3,5-diethyl-1,2-dihydro-1-phenyl-2-Propyl)				1 - 10%	Xn; R21/22 Xi; R38
Butylated Hydroxytoluene (2,6-Di-tert-butyl-p-cresol)		128-37-0		0.5 - 1%	Xn; R22 Xi; R37/38
Cumene hydroperoxide	617-002-00-8	80-15-9	201-254-7	0.5 - 1%	O; R7 T; R23 Xn; R21/22-48/20/22 C; R34 N; R51/53
Hydrocarbon Wax (Paraffin wax, fume)		8002-74-2	232-315-6	0 - 0.5%	

4. FIRST AID MEASURES

Skin contact May cause irritation to skin. May cause dermatitis. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Eye contact May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Inhalation Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Move the exposed person to fresh air. Seek medical attention.

Ingestion Harmful if swallowed. Ingestion may cause nausea and vomiting. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

5. FIRE FIGHTING MEASURES

Extinguishing media	Use as appropriate: Carbon dioxide (CO ₂), Dry chemical, Foam.
Fire hazards	Highly flammable. Burning produces irritating, toxic and obnoxious fumes.
Protective equipment	Self-contained breathing apparatus. Wear protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area. Eliminate all sources of ignition. Wear suitable protective equipment.
Environmental precautions	Do not allow product to enter drains. Prevent further spillage if safe.
Clean up methods	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use explosion proof equipment. Keep away from sources of ignition - No smoking. Adopt best Manual Handling considerations when handling, carrying and dispensing.
Storage	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

2-Methylpropenoic acid	WEL 8-hr limit ppm: 20 WEL 15 min limit ppm: 40	WEL 8-hr limit mg/m ³ : 72 WEL 15 min limit mg/m ³ : 143
Butylated Hydroxytoluene	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 10 WEL 15 min limit mg/m ³ : -
Hydrocarbon Wax	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 2 WEL 15 min limit mg/m ³ : 6
Methyl methacrylate	WEL 8-hr limit ppm: 50 WEL 15 min limit ppm: 100	WEL 8-hr limit mg/m ³ : 208 WEL 15 min limit mg/m ³ : 416

Engineering Measures	Ensure adequate ventilation of the working area.
Respiratory protection	Self-contained breathing apparatus. Wear protective clothing.
Hand protection	Chemical resistant gloves (PVC).
Eye protection	Approved safety goggles.
Protective equipment	Wear chemical protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Gel
Colour	Black
Odour	Characteristic
Flash point	11.5

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Possibility of hazardous reactions	Oxidising agents.
Conditions to avoid	Heat, sparks and open flames.

11. TOXICOLOGICAL INFORMATION

Acrylated Adhesion	Dermal Rat LD50 = 1000	
Butylated Hydroxytoluene (2,6-Di-tert-butyl-p-cresol)	Oral Rat LD50 = 1700mg/kg Dermal Guinea Pig LD50 =>8000mg/kg	Oral Mouse LD50 = 800-1600mg/kg
Co-Polymer	Dermal Rat LD50 = >5000mg/kg	Oral Rat LD50 = >5000mg/kg
Copper Stock Solution	Oral Rat LD50 = 8400MG/KG	
Defoamer	Oral Rat LD50 = 14400mg/kg	
Impact Modifier	Oral Rat LD50 = >5000mg/kg	Dermal Rabbit LD50 = >5000mg/kg
Poly(acrylonitrile-butadiene-styrene)	Oral Rat LD50 = >5000mg/kg	
Pyridine, 3,5-diethyl-1,2-dihydro-1-phenyl-2-propyl-	Dermal Rat LD50 = 500mg/kg	Dermal Rabbit LD50 = 1000mg/kg
Thermoplastic Urethane	Oral Rat LD50 = >5000mg/kg	Dermal Rabbit LD50 = >2000mg/kg
Triethyleneglycol Dimethacrylate	Dermal Rat LD50 = >5000	
Wetting & Dispersing Additive	Oral Rat LD50 = 2600mg/kg	

12. ECOLOGICAL INFORMATION

Copper Stock Solution	Daphnia EC50/48h = 69 mg/l	Fish LC50/96h = 170 mg/l
Triethyleneglycol Dimethacrylate	Fish LC50/96h = 16.4 mg/l	
Wetting & Dispersing Additive	Golden orfe LC50/48h = 12mg/l	

13. DISPOSAL CONSIDERATIONS

General information Dispose of in compliance with all local and national regulations.

14. TRANSPORT INFORMATION

Hazard pictograms



Proper Shipping Name

ADHESIVES

ADR/RID

UN 1133

Packing group 2

Class 3

Hazard ID 33

IMDG

UN 1133

Packing group 2

Class 3

EmS Code F-E-S-D

IATA

UN 1133

Packing group 2

Class 3

Packing Instruction (Cargo) 307

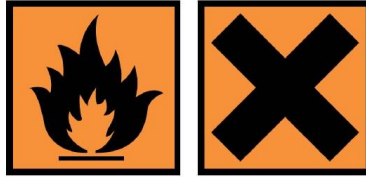
Maximum quantity: 60L

Packing Instruction (Passenger) 305

Maximum quantity: 5L

15. REGULATORY INFORMATION

Labelling Symbols The product is classified in accordance with 67/548/EEC.
F: Highly flammable. Xi: Irritant.



Risk phrases R11 - Highly flammable.
R36/37/38 - Irritating to eyes, respiratory system and skin.
R43 - May cause sensitisation by skin contact.

Safety phrases S16 - Keep away from sources of ignition - No smoking.
S24 - Avoid contact with skin.
S37 - Wear suitable gloves.

16. OTHER INFORMATION

Text of risk phrases in Section 3. R10 - Flammable
R11 - Highly flammable.
R21/22 - Harmful in contact with skin and if swallowed.
R22 - Harmful if swallowed.
R23 - Toxic by inhalation.
R34 - Causes burns.
R35 - Causes severe burns.
R36/37/38 - Irritating to eyes, respiratory system and skin.
R37/38 - Irritating to respiratory system and skin.
R38 - Irritating to skin.
R48/20/22 - Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R7 - May cause fire.

Further information The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.