



MAGMA ACRYLICS (Pty) Ltd

Exclusively developed acrylic adhesive products

MATERIAL SAFETY DATA SHEET MAGMA BOND M1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME MAGMA BOND
PRODUCT NO. M1

SUPPLIER MAGMA ACRYLICS
22 ROPER STREET
NEW CENTRE
JOHANNESBURG
GAUTENG. 2018.
SOUTH AFRICA
+27 (0) 11 880 1251
+27 (0) 86 615 3870
www.magmaacrylics.com

2. HAZARDS IDENTIFICATION

In use it may form a flammable/explosive vapour-air mixture. Irritating to respiratory system and skin. May cause sensitisation by skin contact. Limited evidence of a carcinogenic effect.

CLASSIFICATION F ;R11, R43, Xi ;R37/38.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
METHYL METHACRYLATE MONOMER	201-297-1	80-62-6	99.9%	F ;R11, R43, Xi ;R37/38

The Full Text for all R-Phrases are Displayed in Section 16.

4. FIRST-AID MEASURES

INHALATION

Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION

DO NOT induce vomiting. Get medical attention immediately. Drink plenty of water.

SKIN CONTACT

Promptly flush contaminated skin with water. Promptly remove clothing if soaked through and flush the skin with water. Get medical attention if irritation persists after washing.

EYE CONTACT

Rinse the eye with water immediately. Continue to rinse for at least 15 minutes and get medical attention.

MAGMA BOND M1

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Foam, carbon dioxide or dry powder.

UNUSUAL FIRE & EXPLOSION HAZARDS

Vapours are heavier than air and may spread near ground to sources of ignition. Solvent vapours may form explosive mixtures with air.

SPECIFIC HAZARDS

Fire or high temperatures create: Toxic gases/vapours/fumes of Carbon dioxide (CO₂). Carbon monoxide (CO).

PROTECTIVE MEASURES IN FIRE

Wear self contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Avoid skin and eye contact. Avoid breathing vapour. Wear personal protective equipment.

ENVIRONMENTAL PRECAUTIONS

Prevent entry into drains and water courses.

SPILL CLEAN UP METHODS

Absorb onto sand, earth or absorbent granules. Pick up with non-sparking tools and place into metal containers with sealable lids. Mark containers with details of hazards and store in designated area ready for disposal.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Store in a tightly closed original container, in a cool & dry well ventilated area. Do not store in direct sunlight.

STORAGE CLASS Flammable liquid storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m ³	ST - ppm	ST - mg/m ³
METHYL METHACRYLATE MONOMER	WEL	50 ppm	208 mg/m ³	100 ppm	416 mg/m ³

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

MAGMA BOND M1

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Use engineering controls to reduce air contamination to permissible exposure level.

ENGINEERING MEASURES

Provide adequate ventilation.

RESPIRATORY EQUIPMENT

Wear suitable respiratory protection.

HAND PROTECTION

Protective gloves should be used if there is a risk of direct contact or splash.

EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination.

HYGIENE MEASURES

Use appropriate skin cream to prevent drying of skin. Wash at the end of each work shift and before eating, smoking and using the toilet. When using chemicals do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
ADHESIVE COLOUR	Clear		
CATALYST COLOUR	Clear, colourless to faint yellow		
ODOUR	Characteristic. Unpleasant		
ADHESIVE VAPOUR DENSITY	3.45	VAPOUR PRESSURE	38.5 mmHg @24°C
CATALYST VAPOUR DENSITY	1.04	FLASH POINT (°C)	> 61 CC (Closed cup).

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid exposure to high temperatures or direct sunlight.

MATERIALS TO AVOID

Oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS

None under normal conditions.

MAGMA BOND M1

11. TOXICOLOGICAL INFORMATION

INHALATION

Possible Irritant to respiratory system.

SKIN CONTACT

Prolonged and frequent contact may cause redness and irritation. May cause sensitisation by skin contact.

EYE CONTACT

Particles in the eyes may cause irritation and smarting.

ROUTE OF ENTRY

Inhalation. Skin absorption. Ingestion.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment. However, contamination of the aquatic or terrestrial environments should be avoided

13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

This material is classified as special waste as defined by Special Waste Regulations 1996 and must be disposed of by an authorised contractor

14. TRANSPORT INFORMATION



UK ROAD CLASS	3		
PROPER SHIPPING NAME	METHYL METHACRYLATE MONOMER, STABILIZED		
UN NO. ROAD	1247	UK ROAD PACK GR.	II
ADR CLASS NO.	3	ADR CLASS	Class 3:Flammable Liquid
ADR PACK GROUP	II	HAZARD No. (ADR)	33
ADR LABEL NO.	3	HAZCHEM CODE	3YE
CEFIC TEC(R) NO.	30GF1-III	RID CLASS NO.	3
RID PACK GROUP	II	UN NO. SEA	1133
IMDG CLASS	3	IMDG PAGE NO.	3
IMDG PACK GR.	II	EMS	F-E, S-D
MARINE POLLUTANT	No.	UN NO. AIR	1133
AIR CLASS	3	AIR PACK GR.	II

MAGMA BOND M1

15. REGULATORY INFORMATION

LABELLING



Long Term Health Detriment



Acute Toxicity



Flammable Gasses/Liquids



Environmental Hazards

CONTAINS

METHYL METHACRYLATE

RISK PHRASES

R2 Risk of explosion by shock, friction, fire or other sources of ignition.
R11 Highly Flammable.
R36 Irritating to eyes.
R37/38 Irritating to respiratory system and skin.
R40 Limited evidence of a carcinogenic effect.
R43 May cause sensitisation by skin contact.
R50 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R61 May cause harm to the unborn child.
R62 Possible risk of impaired fertility.

SAFETY PHRASES

S3 Keep in a cool place.
S7 Keep container tightly closed.
S13 Keep away from food, drink and animal feeding stuffs.
S23 Do not breathe vapour/spray.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S46 If swallowed, seek medical advice immediately and show this container or label.
S51 Use only in well-ventilated areas.
S56 Dispose of this material and its container to hazardous or special waste collection point.
S64 If swallowed, rinse mouth with water (only if the person is conscious).

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

MAGMA BOND M1

16. OTHER INFORMATION

GENERAL INFORMATION

This product should be used as directed by Magma Acrylics (Pty) Ltd. For further information consult the data sheet.

INFORMATION SOURCES

This safety data sheet was compiled using current safety information supplied by distributor of raw materials.

RISK PHRASES IN FULL

- R2 Risk of explosion by shock, friction, fire or other sources of ignition.
- R11 Highly flammable.
- R22 Harmful if swallowed.
- R36 Irritating to eyes.
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