



MAGMA ACRYLICS (Pty) Ltd

Exclusively developed acrylic adhesive products

MATERIAL SAFETY DATA SHEET MAGMA BOND C2

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

PRODUCT NAME MAGMA BOND
PRODUCT NO. C2 + CATALYST

SUPPLIER MAGMA ACRYLICS
22 ROPER STREET
NEW CENTRE
JOHANNESBURG
GAUTENG. 2018.
SOUTH AFRICA
+27 (0) 11 880 1251
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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 E F ;R2, R11, R43, Xi ;R36/37/38. Rep 2&3 ;R61/62/63. N ;R50

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
DIBUTYL PHTHALATE	201-557-4	84-74-2	60%-80%	Rep 2&3 ;R61/62/63, N ;R50
BENZYOL PEROXIDE	202-327-6	94-36-0	10%-30%	E ;R2, R43, Xi ;R36
METHYL METHACRYLATE	201-297-1	80-62-6	70%-90%	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 C2

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
DIBUTYL PHTHALATE	WEL		5 mg/m ³ (Sk)		No std.
BENZYOL PEROXIDE	WEL		5 mg/m ³ (Sk)		No std.
METHYL METHACRYLATE	WEL	50 ppm	208 mg/m ³	100 ppm	416 mg/m ³

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

MAGMA BOND C2

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 C2

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	6.1		
PROPER SHIPPING NAME	LIQUID CATALYST		
UN NO. ROAD	2810	UK ROAD PACK GR.	III
ADR CLASS NO.	6.1	ADR CLASS	Class 6.1: Toxic substances
ADR PACK GROUP	III	HAZARD No. (ADR)	60
ADR LABEL NO.	6.1	HAZCHEM CODE	2X
CEFIC TEC(R) NO.	61GT1-III	RID CLASS NO.	6.1
RID PACK GROUP	III	UN NO. SEA	2810
IMDG CLASS	6.1	IMDG PAGE NO.	6.1
IMDG PACK GR.	III	EMS	F-A, S-A
MARINE POLLUTANT	No.	UN NO. AIR	2810
AIR CLASS	6.1	AIR PACK GR.	III

MAGMA BOND C2



UK ROAD CLASS	3		
PROPER SHIPPING NAME	LIQUID ADHESIVE		
UN NO. ROAD	1133	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

15. REGULATORY INFORMATION

LABELLING



Long Term Health Detriment



Acute Toxicity



Flammable Gasses/Liquids



Environmental Hazards

CONTAINS

DIBUTYL PHTHALATE
BENZYOL PEROXIDE
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).

MAGMA BOND C2

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).

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. |
| 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. |
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