



# MAGMA ACRYLICS (Pty) Ltd

Exclusively developed acrylic adhesive products

## MATERIAL SAFETY DATA SHEET MAGMA BOND E2

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

PRODUCT NAME           MAGMA BOND  
PRODUCT NO.           E2

SUPPLIER                MAGMA ACRYLICS  
22 ROPER STREET  
NEW CENTRE  
JOHANNESBURG  
GAUTENG. 2018.  
SOUTH AFRICA  
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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        Flam 3; Carc 2; H225,H302,H315,H317,H319,H331,H335,  
H336,H351,H373

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
DICHLOROMETHANE	201-838-9	75-09-2	30%-60%	Skin Irrit. 2; Eye Irrit. 2A; Carc. 2; STOT SE 3; STOT RE 2; H315, H319, H335, H336, H351, H373
NITROMETHANE	200-876-6	75-52-5	1%-30%	Flam. Liq. 3; Acute Tox. 3; Carc. 2; H225, H302, H331, H351
METHYL METHACRYLATE	201-297-1	80-62-6	30%-60%	Flam. Liq. 3; Skin Irrit. 2; Skin Sens. 1; STOT SE 3; H225, H315, H317, H335

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

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## 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.

## 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 (CO<sub>2</sub>). 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.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m <sup>3</sup>	ST - ppm	ST - mg/m <sup>3</sup>
DICHLOROMETHANE	WEL	100 ppm(Sk)	350 mg/m <sup>3</sup>	300 ppm	1060 mg/m <sup>3</sup> (Sk)
NITROMETHANE	WEL	100 ppm(Sk)	250 mg/m <sup>3</sup>	150 ppm	381 mg/m <sup>3</sup> (Sk)
METHYL METHACRYLATE	WEL	50 ppm	208 mg/m <sup>3</sup>	100 ppm	416 mg/m <sup>3</sup>

### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

### 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).

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## 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.

## 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

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## 14. TRANSPORT INFORMATION



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

DICHLOROMETHANE  
NITROMETHANE  
METHYL METHACRYLATE

### CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008

H225: Flammable liquids (Category 3)  
H315: Skin irritation (Category 2)  
H317: Skin sensitisation (Category 2)  
H319: Causes serious eye irritation (Category 2)  
H335: Specific target organ toxicity- single exposure (Category 3),Respiratory system  
H336: May cause drowsiness or dizziness. (Category 1)  
H351: Suspected of causing cancer. (Category 3)  
H373: May cause damage to organs through prolonged or repeated exposure if swallowed. (Category 3)

For the full text of the H Statements mentioned in this Section, see Section 16.

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## PRECAUTIONARY STATEMENTS

### Prevention:

P202: Do not handle until all safety precautions have been read and understood.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
P260: Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P264: Wash contacted areas thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves, protective clothing and eye or face protection.

### Response:

P362: Take off contaminated clothing and wash before reuse.  
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313: If skin irritation occurs: Get medical advice.  
P337+P313: If eye irritation persists: Get medical advice.  
P362: Take off contaminated clothing and wash before reuse.  
P370+P378: In case of fire: Use dry powder or dry sand to extinguish.

### Storage:

P402+P404: Store in a dry place. Store in a closed container.  
P403+P235: Store in a well-ventilated place. Keep cool.  
P501: Dispose of contents/ container to an approved waste disposal plant.

## 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.

### HAZARD STATEMENT:

Carc: Carcinogenicity  
Eye Irrit: Eye irritation

H225: Flammable liquid and vapour.  
H302: Harmful if swallowed.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation  
H331: Toxic if inhaled.  
H335: May cause respiratory irritation.  
H336: May cause drowsiness or dizziness.  
H351: Suspected of causing cancer.  
H373: May cause damage to organs through prolonged or repeated exposure if swallowed.