



Material Safety Data Sheet

NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

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

Product Name : ARMOFLOOR EC5000 – PART A
HS CODE : 39073010
Application : High Performance Epoxy Based Floor Screed
Manufacturer : MATEX CONSTRUCTION CHEMICALS
MANUFACTURING CO. L.L.C.
Address : P.O. Box 29585
Telephone : +971 4 3334140
Fax : +971 4 3334115
Email : info@matex.ae
Website : www.matex-global.com

2. HAZARDS IDENTIFICATION:

Hazards Information : Corrosive. Cause burns. Harmful by inhalation, in contact with skin and if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

INGREDIENTS:		
Name	% Composition	CAS No.
Epoxy resin	75 - 90	25068-38-6
Fillers	5- 15	14808-60-7
Additives	Up to 5	3586-55-8

4. FIRST AID MEASURES:

Eye contact : Flush immediately with plenty of water for at least 15 minutes. Get medical attention.

Skin contact : Remove contaminated clothes immediately. Wash affected area with plenty of water. Seek medical attention.



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Inhalation	:	Remove affected person to fresh air. If symptoms persist obtain medical attention.
Ingestion	:	If swallowed drink water. Obtain medical attention. Induce vomiting only on advice of physician

5. FIRE FIGHTING MEASURES:

Extinguishing Media Suitable	:	Foam, carbon dioxide and dry powder.
Not to be used	:	Water jet, Oxides of carbon and carbonaceous by-products.
Further information	:	none

6. ACCIDENTAL RELEASE MEASURES:

After Spillage/Leakage	:	Absorb with suitable material e.g. sand and earth, seal in plastic bag and bury in landfill. Flush contaminated area with plenty of water. In addition, please refer to the local regulations regarding disposal.
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7. HANDLING AND STORAGE:

Technical Protective Measures	:	Store in shaded areas away from direct sunlight Keep away from other flammable liquids.
Protection against fire and	:	Avoid use in confined space and sources of Explosion Ignition - no smoking.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Exposure Limits	:	MAK (DFG, 1997) Personal protective equipment
Respiratory Protection	:	Use ori-nasal respirator when working in confined area.
Eye Protection	:	Use safety goggles

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Skin Protection	:	Impervious gloves
Other Industrial Hygiene	:	Observe the usual precaution when handling chemicals. Wash hands before breaks and after finishing work. Do not eat, drink or smoke at workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form	:	Liquid
Colour	:	yellowish to Colorless
Odour	:	Amine-like
Change in physical state:		
Boiling point, °C (mm Hg)	:	N/A
Melting point (°C)	:	
Flash point (°C)	:	Approx. > 150
Autoignition temperature (°C)	:	N/A
Explosion limits	:	N/A
-Lower		
-Upper		
Thermal decomposition	:	N/A
Density, g/cm ³ (°C)	:	1.1-1.2 (20)
Bulk density, kg/m ³ (°C)	:	
Vapour pressure, mbar (°C)	:	N/A
Viscosity(°C)	:	<10 mPas (25)
pH value(°C)	:	N/A
Solubility in water (°C)	:	Not Miscible
Further information	:	N/A

10. STABILITY AND REACTIVITY:

Hazardous decomposition	:	When exposed to high temperatures may produce carbon Products monoxide and/or carbon dioxide and oxides of nitrogen.
Hazardous reactions	:	Reaction with strong acids, oxidizing material and strong bases possible.



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11. TOXICOLOGICAL INFORMATION:

Information of toxicity	:	No data available
General acute oral toxicity (LD50, rat)		
Skin irritation	:	Corrosive
Eye irritation	:	Corrosive
Other Information	:	

12. ECOLOGICAL INFORMATION:

Ecological effect information	:	Do not discharge product into drains and Sewers.
Impairment of sludge activity		
Other information	:	Not readily biodegradable

13. DISPOSAL CONSIDERATIONS:

Disposal	:	Absorb with sand or earth. Collect in plastic disposable bags. Bury in landfill. OR Mix separate product components in ratio as supplied and not exceeding single pack size quantities, in suitable metal containers. Bury in Landfill. In addition, please refer to the local regulations regarding disposal.
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14. TRANSPORT INFORMATION:

RID/ADR		
UN No.	:	3082
IMDG Code		
GGVE/GGVS		
ICAO/IATA	:	Class 9 Packing Group III
ADN		
Other Information	:	Environmentally hazardous



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15. REGULATORY INFORMATION:

Labelling	:	According to EEC directives for preparation.
Symbol	:	Xi, irritant
R Phrase(s)	:	R36/38 Irritating to eyes and skin. R43 May cause sensitization by skin contact. adverse effects in aquatic environment.
S Phrase(s)	:	S28 After contact with skin, wash immediately with plenty of water and soap S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

16. OTHER INFORMATION:

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other applications. Use of the product for applications other than as stated in the sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for the stated application or applications without seeking advice from MATEX.

If the product has been purchased for supply to a third party for use at work, it is the purchaser's duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of hazards described in this sheet and of any precautions which should be taken.

This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation.

Further copies of this Safety Data Sheet may be obtained from MATEX.



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NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

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

Product Name : ARMOFLOOR EC5000 – PART B
HS CODE : 39073010
Application : High Performance Epoxy Base Floor Screed
Manufacturer : MATEX CONSTRUCTION CHEMICALS
MANUFACTURING CO. L.L.C.
Address : P.O. Box 29585
Telephone : +971 4 3334140
Fax : +971 4 3334115
Email : info@matex.ae
Website : www.matex-global.com

2. HAZARDS IDENTIFICATION:

Hazards Information : Corrosive. Cause burns. Harmful by inhalation, in contact with skin and if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients	% Composition	CAS No.
Aliphatic Polyamine	100	4246-51-9

4. FIRST AID MEASURES:

Eye contact : Flush immediately with plenty of water for at least 15 minutes. Get medical attention.

Skin contact : Remove contaminated clothes immediately. Wash affected area with plenty of water. Seek medical attention.

Inhalation : Remove affected person to fresh air. If symptoms



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persist obtain medical attention.

Ingestion	:	If swallowed drink water. Obtain medical attention. Induce vomiting only on advice of physician.
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5. FIRE FIGHTING MEASURES:

Extinguishing Media Suitable	:	Foam, carbon dioxide and dry powder, sand.
Not to be used	:	Water jet
Further information	:	none

6. ACCIDENTAL RELEASE MEASURES:

After Spillage/Leakage	:	Absorb with suitable material e.g. sand and earth, seal in plastic bag and bury in landfill. Flush contaminated area with plenty of water. In addition, please refer to the local regulations regarding disposal.
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7. HANDLING AND STORAGE:

Technical Protective Measures	:	Store in shaded areas away from direct sunlight. Keep away from other flammable liquids.
Protection against fire and	:	Avoid use in confined space and sources of Explosion Ignition - no smoking.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Exposure Limits	:	MAK (DFG, 1997) Personal protective equipment
Respiratory Protection	:	Nasal respirator if product used in confined spaces.
Eye Protection	:	Use safety goggles
Skin Protection	:	Impervious gloves

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Other Industrial Hygiene : Observe the usual precaution when handling chemicals.
Wash hands before breaks and after finishing work.
Do not eat, drink or smoke at workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form : Liquid
Colour : light brown
Odour : Amine-like
Change in physical state :
Boiling point, °C (mm Hg) : >230
Flash point (°C) : Approx. 110
Thermal decomposition : >200
Density, g/cm³ (°C) : 0.8-0.9 (25)
Vapour pressure, mbar (°C) : N/A
Viscosity(°C) : N/A
pH value(°C) : N/A
Solubility in water (°C) : Miscible
Further information : N/A

10. STABILITY AND REACTIVITY:

Hazardous decomposition : When exposed to high temperatures products may produce carbon monoxide and/or carbon dioxide and oxides of nitrogen.
Hazardous reactions : Reaction with amines, alcohol, strong acids, oxidizing material and strong bases possible.

11. TOXICOLOGICAL INFORMATION:

Information of toxicity : No data available
General acute oral toxicity (LD50, rat)
Skin irritation : Corrosive
Eye irritation : Corrosive
Other Information :



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12. ECOLOGICAL INFORMATION:

Ecological effect information	:	Do not discharge product into drains and Sewers.
Impairment of sludge activity		
Other information	:	Not readily biodegradable

13. DISPOSAL CONSIDERATIONS:

Disposal	:	Absorb with sand or earth. Collect in plastic disposable bags. Bury in landfill. OR Mix separate product components in ratio as supplied and not exceeding single pack size quantities, in suitable metal containers. Bury in Landfill. In addition, please refer to the local regulations regarding disposal.
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14. TRANSPORT INFORMATION:

RID/ADR		
UN No.	:	2327
IMDG Code		
GGVE/GGVS		
ICAO/IATA	:	Class 8 Packing Group III
ADN		
Other Information	:	Environmentally hazardous substance, liquid, n.o.s

15. REGULATORY INFORMATION:

Labelling	:	According to EEC directives for preparation.
Symbol	:	C - Corrosive Liquid
R Phrase(s)	:	R34 Causes burns. R43 May cause sensitization by skin contact.
S Phrase(s)	:	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 After contact with skin, wash immediately with



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plenty of water.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical

Advice immediately (show the label where possible)

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

Product Name : ARMOFLOOR EC5000– PART C
HS CODE : **25051020**
Application : High Performance Epoxy Based Floor Screed
Manufacturer : MATEX CONSTRUCTION CHEMICALS
MANUFACTURING CO. L.L.C.
Address : P.O. Box 29585
Telephone : +971 4 3334140
Fax : +971 4 3334115
Email : info@matex.ae
Website : www.matex-global.com

2. HAZARDS IDENTIFICATION:

Irritating to eyes, respiratory system and skin.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients	% Composition	CAS No.
Combination of Siliceous Materials	100	14808-60-7

4. FIRST AID MEASURES:

Eyes : Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention urgently

Skin : Wash immediately with copious quantities of water. Remove contaminated clothing immediately. Obtain medical advice if skin disorders develop.

Inhalation : Remove from exposure, rest and keep warm and obtain medical attention urgently.



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Ingestion : Wash out mouth with water. DO NOT induce vomiting.
Obtain medical attention.

5. FIRE FIGHTING MEASURES:

Suitable Extinguishing Media : None, not flammable.

Special Exposure Hazards : None

6. ACCIDENTAL RELEASE MEASURES:

Personal Precautions : Wear rubber boots in addition to the recommended protective clothing.

Environmental Precautions : Prevent entry into drains, sewers and water courses.

Decontamination Procedures : Avoid the creation of dust in atmosphere. Gather into containers. Residues may be flushed to drain with large volumes of water.

7. HANDLING AND STORAGE:

Handling : Avoid creating dust. Avoid breathing dust. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid skin and eye contact.

Storage : Store in cool, dry area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Occupational Exposure Limits:
MAK (DFG, 1997)

Engineering Control Measures : Atmospheric levels of dust must be maintained within the occupational exposure limit. Where mechanical methods are inadequate or impractical, appropriate personal protective equipment must be used.

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Personal Protective Equipment : Impervious gloves (eg. PVC), goggles / safety glasses. Approved dust mask. Change contaminated clothing immediately and clean before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State	:	Powder
Colour	:	Grey
Odour	:	Odourless
Boiling Point/Range (°C)	:	Not applicable
Melting Point/Range (°C)	:	Not applicable
Flash Point (closed) (°C)	:	None
Auto flammability (°C)	:	Not determined
Explosive Properties (%)	:	Not known
Relative Density (at 20°C)	:	2.0 – 2.1
Water Solubility	:	Insoluble

10. STABILITY AND REACTIVITY:

Stability	:	Stable
Conditions to avoid	:	Exposure to air, contamination with water.
Hazardous Decomposition Products	:	None

11. TOXICOLOGICAL INFORMATION:

Health Effects:

On Eyes	:	Irritating and may injure eye tissue if not removed promptly. Abrasive material - may cause damage to eyes.
On skin	:	Irritation. See "chronic" effects.
By Inhalation	:	Irritating to respiratory system. Inflammation of the nasal mucous membrane by exposure to cement dust.
By Ingestion	:	May cause irritation of mouth, throat and digestive tract.



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Chronic : Cement, cementitious grouts and mortars are known to cause both irritant and allergic contact dermatitis. Prolonged skin contact can result in chemical burns.

12. ECOLOGICAL INFORMATION:

Environmental / Assessment : Little detailed information is available on the ecological effects of this product, but its overall environmental impact is not regarded as significant.

Mobility : Insoluble in water.

Persistence and Degradability : Not readily biodegradable.

Bioaccumulative Potential : Not expected to be bioaccumulative.

Ecotoxicity : Not expected to be ecotoxic to fish/daphnia/algae.

13. DISPOSAL CONSIDERATIONS:

Disposal must be in accordance with local and national legislation.

Unused Product : Dispose of in an approved manner.

Used / Contaminated Product : As for unused product.

Packaging : The method of disposal must be acceptable to the local authority.

14. TRANSPORT INFORMATION:

This product is NOT classified as dangerous for transport.

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15. REGULATORY INFORMATION:

Hazard Label Data:

Labelling	:	Labelling according to EEC directives concerning preparations.
Symbol (s)	:	Following risk and safety phrases are recommended.
Risk Phrases	:	Irritating to eyes, respiratory system and skin.
Safety Phrases	:	Do not breathe dust. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye / face protection.
R Phrase(s)	:	R36/38 Harmful by inhalation.
S Phrase(s)	:	S36/37/39 Do not breathe dust.

16. OTHER INFORMATION:

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