

Material Safety Data Sheet

NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

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

Product Name : ARMOLEVEL EP5 PART A
HS CODE : **39073000**
Application : Epoxy Self Levelling Base Coating
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 #
Epoxy resin	>100	250-38-6

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 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 and water.
Not to be used	:	Combustion products
Further information		

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 Explosion	:	Avoid use in confined space and sources of ignition - no smoking.

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS:

Exposure Limits	:	MAK (DFG, 1997) Personal protective equipment
Respiratory Protection	:	Nasal respirator if product required in confined spaces.
Eye Protection	:	Safety goggles
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	:	Colorless
Odour	:	Characteristic

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Change in physical state	:	N/A
Boiling point, °C (mm Hg)	:	N/A
Melting point, °C	:	
Flash Point (°C)	:	Approx. 120
Auto-ignition temperature (°C)	:	N/A
Explosion limits	:	N/A
-lower		
-upper		
Thermal decomposition	:	N/A
Specific gravity (°C)	:	1.4 (25)
Density, g/cm ³ (°C)	:	1.1- 1.2 (20)
Vapour pressure, mbar (°C)	:	< 1000 (50)
Viscosity (°C)	:	<60 poise (25)
pH value (°C)	:	N/A
Solubility in water (°C)	:	N/A

10. STABILITY AND REACTIVITY:

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

11. TOXICOLOGICAL INFORMATION:

Information of Toxicity	:	Not toxicological tested
General Acute Oral Toxicity (LD50, rat)		
Skin Irritation	:	May cause irritation
Eye Irritation	:	May cause inflammation
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.	:	3082
IMDG Code	:	
GGVE/GGVS	:	
ICAO/IATA	:	Class 9 Packing Group III
ADNR	:	
Other Information	:	Environmentally hazardous substance

15. REGULATORY INFORMATION:

Labelling	:	According to EEC directives for preparation.
Symbol	:	Xi – Irritant
R Phrase(s)	:	R36/38 Irritating to eyes & skin R43 May cause sensitization by skin contact
S Phrase(s)	:	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.

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- S28 After contact with skin, wash immediately with soap and plenty of water
- S36/37/39 Wear suitable protective clothing, gloves and eye / face protection.
- S51 Use only in well ventilated areas.
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16. OTHER INFORMATION:

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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.

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NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

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

Product Name : ARMOLEVEL EP5 PART B
HS CODE : 32089000
Application : Epoxy Self Levelling Base Coating
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:

Hazardous Identification : C (Corrosive).
Risk Phrases : R20/21/22, Harmful by inhalation, in contact with skin and if swallowed.
: R34, Causes Burns.
: R43, May cause sensitization by skin contact.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients	% Composition	CAS No.
Modified Aliphatic Amine	> 90	Proprietary

4. FIRST AID MEASURES:

Eyes : Remove contact lenses. Hold eyelids apart. Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.



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Skin	:	Wash thoroughly with soap and water. Remove contaminated clothing. Thoroughly wash clothing before reuse. Render unusable and discard contaminated shoes and leather articles.
Inhalation	:	Remove to fresh air. Give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
Ingestion	:	If conscious, drink large quantities of water. Induce vomiting. Call a physician or poison control center immediately. NEVER give anything by mouth to an unconscious person. NEVER induce vomiting in an unconscious person.

5. FIRE FIGHTING MEASURES:

Firefighting Procedures	:	Evacuate area immediately. Do not fight fire.
Extinguishing media	:	Deluge with large quantities of water as quickly as possible by automatic sprinkles or fire hose from a protected location. Product is self-oxidizing.
Conditions to Avoid	:	Avoid impact, friction, heat, sparks, or flame.
Hazardous combustion	:	If heated to combustion, the following substances may be products formed: carbon monoxide, carbon dioxide, nitrogen, water, hydrogen, nitrogen oxides, methane, aldehydes, carboxylic acid, and hydrogen cyanide.

6. ACCIDENTAL RELEASE MEASURES:

Clean up spills immediately using soft natural bristle brush and conductive rubber or conductive plastic shovel. Use caution, material is sensitive to initiation from sources such as heat, flame, shock, friction, or sparks. In case of accidental spill or release, refer to Section 8, Personal Protective Equipment and General Hygiene Practices.

7. HANDLING AND STORAGE:

General measures	:	Do not pressurize or expose containers to heat, flame, sparks, static electricity, or other sources of ignition. Store in a cool, dry place, approximately 68°F (20°C). Store only in Department of Transportation approved
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Materials or conditions to avoid : containers. Check old product for deterioration regularly.

Avoid storing product near incompatible materials. Do not store near flammable materials. Do not keep deteriorated or salvaged product. Keep away from heat, flame, sparks, and other ignition sources. Do not store in direct sunlight or expose to UV radiation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS:

General Hygienic Practices : Avoid contact with eyes, skin and clothing. Avoid breathing dust, vapor, or mist. Wash thoroughly after handling, and before eating, drinking, or smoking. Avoid contamination of food, beverages, or smoking materials. Remove contaminated clothing promptly and clean thoroughly before reuse. Discard contaminated leather articles.

Recommended Exposure Limits:

Hazardous Component Wt. Limit Basis				
	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
ACGIH	N/E	N/E	N/E	N/E
ACGIH	N/E	N/E	N/E	N/E

Personal Protective Equipment:

- Safety glasses.
- Impervious gloves.
- Appropriate respiratory protection is required when exposure to airborne contaminants may exceed acceptable limits.
- Respirators should be selected and used in accordance with OSHA, Subpart I (29 CFR 1910, 134) and manufacturer's recommendations.
- Flame retardant clothing.
- Wear conductive safety shoes.

Work Practices and Engineering Controls:

- Do NOT smoke in areas where powder is stored or used.
- Material is shock sensitive. Use care in handling.
- Keep away from ignition sources. Friction can cause ignition.

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- Eye wash fountains and safety showers should be easily accessible.
- Prevent build-up of static electric charges.
- Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Protective Measures during Repair and Maintenance:

- Eliminate ignition sources and prevent build-up of static electric charges.
- Use spark-proof tools and explosion-proof equipment.
- Wetting work area with water will greatly reduce hazards.
- Completely remove product from area, and thoroughly clean all equipment, piping, or vessels before beginning maintenance or repairs.
- A work permit system is recommended for any preparation and clean-up.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form	:	Liquid
Colour	:	Light yellow
Odour	:	characteristic
Change in physical state	:	N/A
Boiling point, °C(mm Hg)	:	> 150°C
Melting point, °C	:	
Flash Point(°C)	:	> 70°C
Auto ignition Temperature	:	N/A
-lower		
-upper		
Thermal decomposition	:	N/A
Specific gravity (°C)	:	0.95 – 1.05 (25)
Vapour pressure, mbar(°C)	:	N/A
Viscosity(°C)	:	0.5 – 1.5 poise (25)
pH value(°C)	:	
Solubility in water(°C)	:	N/A
Further information		

10. STABILITY AND REACTIVITY:

General stability considerations	:	Stable under recommended handling and storage conditions.
Incompatible materials	:	Incompatible with: acids, oxidizing agents, alkalis and amines and strong sunlight or ultraviolet light.

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Hazardous decomposition	:	None anticipated under normal or recommended handling and products storage conditions.
Hazardous polymerization	:	Not anticipated under normal or recommended handling and storage conditions.

11. TOXICOLOGICAL INFORMATION:

Reported human effects	:	No human toxicity studies have been carried out with this product.
Reported animal effects	:	Acute Toxicity oral (rat) LD ₅₀ 1300 mg/kg (calculated) inhalation (rat) LC ₅₀ not determined skin (rabbit)) LD ₅₀ not determined.
Skin irritation	:	May cause irritation to skin.
Eye irritation	:	May cause irritation to eyes.
Chronic toxicity	:	No information.
Sensitizing	:	May cause sensitization by skin contact.
Carcinogenicity information	:	IARC : Group 4 ACHIH : A5
Reproductive effects	:	No studies on reproductive effects have been carried out with this product.
Mutagenicity / Genotoxicity	:	No mutagenicity studies have been carried out with this information product.

12. ECOLOGICAL INFORMATION:

Ecotoxicity	:	No ecological studies have been carried out with this product.
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13. DISPOSAL CONSIDERATIONS:

Waste Disposal Methods:

Disposal of waste and resin should be carried out under the direct supervision of a qualified person. For industrial disposal, federal hazardous waste regulations allow open burning of wastes in permitted facilities. Burn in the open in an isolated location in small, shallow piles not over one inch deep. Stay upwind. Do not breathe products of combustion. State or local regulations may be more stringent than federal regulations. For disposal of small quantities, contact state or local environmental agencies for options.

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14. TRANSPORT INFORMATION:

UN Haz. Class	:	8
UN Number	:	1760
Packaging Group	:	3

15. REGULATORY INFORMATION:

Labeling according to EEC Directives

Hazardous identification : C (Corrosive)

Harmful by inhalation in contact with skin and if swallowed (R20/21/22). Causes burns (R34).

May cause sensitization by skin contact (R43).

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26).

Wear suitable protective clothing, gloves and eye/face protection (S36/37/39). In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45).

Avoid release to the environment. Refer to special instructions / safety data sheets (S61)

16. OTHER INFORMATION:

1) Directive 67/548/EEC EU dangerous materials list.

2) Directive 91/155/EEC EU MSDS prepared directive.

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

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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

MATEX Rev-00-1025

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NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

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

Product Name : ARMOLEVEL EP5 PART C
HS CODE : 25051000
Application : Epoxy Self Levelling Base Coating
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.
Ingestion : Wash out mouth with water. DO NOT induce vomiting. Obtain medical attention.

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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 skin and eye contact.
Storage : Store in cool, dry area. Protect from frost.

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.

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 : Graded Powder
Colour : off white

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Odour	:	Odorless
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)	:	1.85 – 1.95
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.
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
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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.

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.

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R Phrase(s)	:	R36/38 Harmful by inhalation.
S Phrase(s)	:	S36/37/39 Do not breathe dust.

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