

Material Safety Data Sheet

NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

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

Product Name : DECOFLOOR TERRAZZO EP PART A
HS CODE : 32089099
Application : Highly Aesthetic Decorative Epoxy Terrazzo Flooring
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. HEALTH HAZARD DATA:

Exposure limits : MAK (DFG, 1997)
Acute exposure effects : No known acute effects
Chronic exposure effects : Repeated or prolonged exposure to skin may cause sensitization
Mutagenicity : No data
Carcinogenicity : No data
Irritancy : Irritating to eyes and skin
Exposure limits : None established

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Chemical characterization
Hazardous ingredients : Modified epoxy resin, pigments
Contains additives

Ingredients	% Composition	CAS No.
Epoxy Resin	60-70	25068-38-6
Titanium Dioxide	10-20	13463-67-7
Pigments	0.5-1	Proprietary
Additives	5-10	3586-55-8

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4. FIRST AID MEASURES:

Skin contact	:	Flush with large amounts of clean water, use soap if available. Remove any contaminated clothing.
Eye contact	:	Check for and remove any contact lenses. Flush with large amounts of clean warm water for 15 minutes. Get prompt medical attention.
Inhalation	:	Immediately move victim to fresh air. If breathing has stopped then administer artificial respiration. Get prompt medical attention.
Ingestion	:	Guard against aspiration into lungs. If victim is conscious and alert, give to glasses of water. Do not give anything by mouth to an unconscious person. Get prompt medical attention.

5. FIRE FIGHTING MEASURES:

Hazardous combustion	:	CO, phenolics. Oxides of Carbon and other possible toxic fumes from fire
Products		
Firefighting measures	:	Foam, carbon dioxide, dry chemical. Wear protective equipment including self-contained apparatus.

6. ACCIDENTAL RELEASE MEASURES:

Method and Materials for Clean up	:	Spill should be contained by bundling and absorbing with dry inert filler (e.g vermiculite, sand, oil, etc) which can be shoveled into appropriately labeled drums. Disposal should be as per approved waste disposal in accordance with local regulations.
Environmental Precaution	:	Do not allow to enter in to drains, sewers or waterways

7. HANDLING AND STORAGE:

Protective clothing to be worn	:	Always wear eye protection, protect hands under rubber gloves, wear protective footwear.
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Ventilation	:	Adequate, local ventilation must be provided for all enclosed work spaces or in the working area
Storage	:	Store in a dry location. Avoid excessive heat or cold. Keep containers closed.
Spill procedures	:	Contain and absorb spilled materials with a non-flammable substance such as sand.
Conditions for Safe Storage	:	Keep containers tightly closed; store under cool dry conditions. Keep away from food and drink. Keep out of reach of children. Store under cover and away from direct sunlight and moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS:

Engineering Controls	:	Ventilation is recommended under normal use conditions.
Exposure Standards	:	None established for this product.
Personal Protective Equipment (PPE):		
Respiratory protection	:	Type A1 if ventilation is inadequate
Glove type (AS2161)	:	Chemical resistant, impervious gloves e.g. PVC, butyl rubber or nitrile rubber gauntlets (consult your local glove supplier/manufacturer).
Eye Protection	:	Chemical worker's goggles or well-fitting safety glasses or full-face shield.
Clothing	:	No special clothing required but overalls or other suitable industrial clothing which provides full skin coverage are suggested as a general precaution, especially where heavy contamination is likely.
Other	:	Use barrier creams to protect skin from contact with the material. Do not eat drink or smoke while working with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form	:	Liquid
Colour	:	Various
Odour	:	characteristic
Change in physical state	:	N/A

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Boiling point, °C (mm Hg)	:	N/A
Melting point, °C	:	N/A
Flash Point (°C)	:	not determined
Autoignition temperature (°C)	:	N/A
Explosion limits	:	N/A
-lower		
-upper		
Thermal decomposition	:	N/A
Density	:	1.62 ± 0.03 kg/lit
Viscosity (°C)	:	2500 – 4500 cps (25-30°C)
pH value (°C)	:	N/A
Solubility in water (°C)	:	N/A

10. STABILITY AND REACTIVITY:

Chemical stability	:	Stable under normal storage and application temperature
Incompatibility with other substances	:	Strong acids, bases and oxidizing agents
Hazardous decomposition	:	Oxides of carbon and other possibly toxic fumes from fire
Hazardous reactions	:	Hazardous polymerization will not occur

11. TOXICOLOGICAL INFORMATION:

Health Hazard Summary	:	Susceptible individuals may develop allergic reactions such as dermatitis or asthma like symptoms on a single significant skin exposure or may become sensitized to the material on repeated contact. Hence it is imperative that all forms of exposure be kept to an absolute minimum.
Inhalation	:	May cause irritation to nose and mucous membrane.
Eyes	:	May cause eye irritation, redness and may be capable of causing corneal scarring.
Ingestion	:	Only very slightly toxic.



Ecological Effect Information : Do not discharge into sewers unless connected to a wastewater treatment plant. Do not discharge into drains.

Disposal Method and Containers	:	Absorb with sand or earth. Collect in plastic disposable bags. Dispose of to an approved land fill site. Refer to Waste Management Authority.
Special Precautions (Landfill/Incineration):		None Known.

CFR_ROAD	:	NOT REGULATED FOR TRANSPORT
IATA_C	:	NOT REGULATED FOR TRANSPORT
IMDG	:	NOT REGULATED FOR TRANSPORT
CFR_RAIL	:	NOT REGULATED FOR TRANSPORT

Proposed classification	:	Xi, Irritant.
Risk phrase(s)	:	R36/38, Irritating to eyes and skin.
	:	R43, May cause sensitization by skin contact.
Safety phrase(s)	:	S24/25 Avoid contact with skin and eyes
	:	S28, after contact with skin, wash immediately with plenty of water
	:	S37, Wear suitable glover and eyes/face protection.
	:	S61, Avoid release to the environment.

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 user's 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 : DECOFLOOR TERRAZZO PART B
HS CODE : 32089099
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:

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).

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Chemical characterization Modified polyamine mixture

Hazardous ingredients

Contains

Ingredients	% Composition	CAS No.
Modified Polyamine	100	26950-63-0

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.
Skin : Wash thoroughly with soap and water. Remove contaminated clothing. Thoroughly wash clothing

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Inhalation	:	before reuse. Render unusable and discard contaminated shoes and leather articles.
	:	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 products	:	If heated to combustion, the following substances may be 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 : containers. Check old product for deterioration regularly.
Avoid storing product near incompatible materials. See to avoid section 10.
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 PROTECTION:

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
1) ACGIH	N/E	N/E	N/E	N/E
2) 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 manufacturers 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.

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Keep away from ignition sources. Friction can cause ignition.
 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
Autoignition Temperature	:	N/A
-lower		
-upper		
Thermal decomposition	:	N/A
Density °C)	:	0.95 – 1.05 (25)
Vapour pressure, mbar(°C)	:	N/A
Viscosity(°C)	:	100-200 cps (25-30°C)
pH value(°C)	:	NA
Solubility in water(°C)	:	N/A
Further information		

10. STABILITY AND REACTIVITY:

General stability considerations:	:	Stable under recommended handling and storage conditions
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Incompatible materials	:	Incompatible with: acids, oxidizing agents, alkalis and amines and strong sunlight or ultraviolet light.
Hazardous decomposition products	:	None anticipated under normal or recommended handling and 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) LD50	1300 mg/kg (calculated)
	inhalation (rat) LC50	not determined
	skin (rabbit)) LD50	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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MATEX Rev-00-0923

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

Product Name : DECOFLOOR TERRAZZO EP PART C
HS CODE : **25051000**
Application : Highly Aesthetic Decorative Epoxy Terrazzo Flooring
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 : Prolonged exposure may cause irritation to respiratory system and skin sensitization.
Risk Phrases : R36/37/38; Irritating to eyes, respiratory system and skin.
Safety Phrases : S22; Do not breathe dust.
S24/S25; Avoid contact with skin and eyes.
S26; In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/S37/S39; Wear suitable protective clothing, gloves and eye/face protection.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

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

4. FIRST AID MEASURES:

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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.

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:

Engineering Control Measures	:	Atmospheric levels of dust must be maintained within the occupational exposure limit. Where mechanical
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Personal Protective Equipment : methods are inadequate or impractical, appropriate personal protective equipment must be used.
Impervious gloves (eg. PVC), goggles / safety glasses.
Approved dust mask. Change contaminated clothing immediately and clean before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Colour : various
Odour : Odorless
Boiling Point/Range (°C) : Not applicable
Melting Point/Range (°C) : Not applicable
Flash Point (closed) (°C) : None
Autoflammability (°C) : Not determined
Explosive Properties (%) : Not known
Relative Density (at 20°C) : 1.55
Water Solubility : Insoluble

10. STABILITY AND REACTIVITY:

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

11. TOXICOLOGICAL INFORMATION:

On Eyes : Irritating and may injure eye tissue if not removed promptly. Abrasive material - may cause damage to eyes.
On skin : Irritating to the skin
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.

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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.
Bio-accumulative Potential	:	Not expected to be bio-accumulative.
Eco-toxicity	:	Not expected to be eco-toxic 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:

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR

15. REGULATORY INFORMATION:

Hazard Label Data:

Symbol (s)	:	Xi
Risk Phrases	:	R36/37/38; Irritating to eyes, respiratory system and skin.
Safety Phrases	:	S22; Do not breathe dust. S24/S25; Avoid contact with skin and eyes. S26; In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/S37/S39; Wear suitable protective clothing, gloves and eye/face protection.

16. OTHER INFORMATION:

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