Material Safety Data Sheet

NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

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

Product Name	:	LAVAPOXY FL – PART A
HS CODE	:	**32089000**
Application	:	Three Part Epoxy Floor Repair Mortar
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:

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.
		R52/53	Harmful to aquatic organisms may cause long terms adverse effects in aquatic environment.
Safety phrases	:	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 plenty of water and soap.
		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.)
		S51	Use only in well ventilated areas.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

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INGREDIENTS:		
Name	**% Composition**	**CAS No.**
Modified Epoxy Resin	20-35	25068-38-6
Sand	60-80	14808-60-7
Special Chemical Additives	1-3	68609-97-2

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.

5. FIRE FIGHTING MEASURES:

Suitable Extinguishing Media : Foam, carbon dioxide and dry powder.

Not to be used : Water jet, combustion products.

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.

7. HANDLING AND STORAGE:

Technical Protective Measures : Store in shaded areas away from direct sunlight. Keep away from other flammable liquids.

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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	:	Paste
Color	:	Grey
Odour	:	Characteristic
Change in physical state	:	N/A
Boiling point, °C (mm Hg)	:	N/A
Melting point (°C)	:	N/A
Flash point (°C)	:	Approx. 120
Autoignition temperature (°C)	:	N/A
Thermal decomposition	:	N/A
Density, g/cm3 (°C)	:	1.46
Vapour pressure, mbar (°C)	:	N/A
Viscosity (°C)	:	N/A
pH value (°C)	:	N/A
Solubility in water (°C)	:	N/A

10. STABILITY AND REACTIVITY:

Hazardous decomposition products	:	Hazardous decomposition products are not expected to form during normal storage. When exposed to high temperature may produce carbon monoxide and dioxide, smoke and oxides of nitrogen.

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Hazardous reactions	:	Exothermic reaction with amines and alcohols. Keep away from oxidizing agents, strongly alkaline and acidic materials in order to avoid exothermic reactions.

11. TOXICOLOGICAL INFORMATION:

Information of toxicity	:	Susceptible people may suffer allergic reactions. Product has synthesizing effects.
Skin / Eyes	:	Frequent and long lasting contact may cause irritation and skin inflammation.

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 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.

14. TRANSPORT INFORMATION:

UN No.	:	3082
IMO Class	:	
ICAO/IATA	:	Class 9 Packing Group III
Marine Pollutant	:	Yes

15. REGULATORY INFORMATION:

Labelling	:	According to EEC directives for preparation.

R Phrase(s)	:	R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
		R34	Causes burns.
		R43	May cause sensitization by skin contact
		R52/53	Harmful to aquatic organisms may cause long terms adverse effects in aquatic environment.
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 plenty of water and soap.
		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)
		S51	Use only in well ventilated areas

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 of 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.

Material Safety Data Sheet

NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

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

Product Name	:	LAVAPOXY FL – PART B
HS CODE	:	**32089000**
Application	:	Three Part Epoxy Floor Repair Mortar
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 Phrase(s)	:	R34	Causes burns
		R43	May cause sensitization by skin contact
Safety Phrase(s)	:	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
		S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
		S61	Avoid release to the environment. Refer to special instructions / safety data sheets.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

INGREDIENTS:		
Name	**% Composition**	**CAS No.**
Modified Polyamide	80-95	68953-36-6
Fumed Silica	0-5	112965-52-5

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4. FIRST AID MEASURES:

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

5. FIRE FIGHTING MEASURES:

Suitable Extinguishing Media	:	Foam, carbon dioxide and dry powder.
Not to be used	:	Water jet, combustion products.

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.

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. Store only in Department of Transportation approved containers. Check old product for deterioration regularly.
Materials or conditions	:	Avoid storing product near incompatible materials to avoid. See section 10. 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.

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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 Paste
Colour	:	Dark Grey
Odour	:	Amine-like
Change in physical state	:	N/A
Boiling point, °C (mm Hg)	:	>230
Melting point (°C)	:	N/A
Flash point (°C)	:	Approx. 110
Autoignition temperature (°C)	:	N/A
Explosion limits	:	N/A
-Lower		
-Upper		
Thermal decomposition	:	N/A
Density, g/cm3 (°C)	:	1.65
Vapour pressure, mbar (°C)	:	N/A
pH value (°C)	:	N/A
Solubility in water (°C)	:	Miscible
Further information	:	N/A

10. STABILITY AND REACTIVITY:

Hazardous decomposition products	:	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	:	General acute oral toxicity (LD50, rat) 4300 mg/kg
Skin irritation	:	Corrosive
Eye irritation	:	Corrosive
Other Information		

12. ECOLOGICAL INFORMATION:

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

13. DISPOSAL CONSIDERATIONS:

Disposal	:	Absorb with sand or earth. Collect in plastic disposable bags. Bury in 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.

14. TRANSPORT INFORMATION:

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

15. REGULATORY INFORMATION:

Hazardous identification	:	C (Corrosive)
Risk Phrase(s)	:	R34; Causes burns
		R43 May cause sensitization by skin contact
Safety Phrase(s)	:	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

S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
S61	Avoid release to the environment. Refer to special instructions / safety data sheets

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NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

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

Product Name	:	LAVAPOXY FL – PART C
HS CODE	:	**25051000**
Application	:	Three Part Epoxy Floor Repair Mortar
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:

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 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:

Colour	:	White
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.

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.

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