



# Material Safety Data Sheet

NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

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

**Product Name** : LAVAZINC EP PART A  
**HS CODE** : 32089000  
**Application** : Zinc Rich Epoxy Primer- Base  
**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](mailto:info@matex.ae)  
**Website** : [www.matex-global.com](http://www.matex-global.com)

## 2. HAZARDS IDENTIFICATION:

**Hazards information** : None Hazardous

## 3. COMPOSITION / INFORMATION ON INGREDIENTS:

**Chemical Characterization** : Modified epoxy resin, fillers, zinc dust and additives.

Ingredients	% Composition	CAS No.
Modified epoxy resin	30-40	25068-38-6
Fillers	35-45	99439-28-8
Zinc dust	7-12	7440-66-6
Additives	1-5	894810-12-9

## 4. FIRST AID MEASURES:

**Skin contact** : Flush with large amounts of clean water, use soap if available. Remove any contaminated clothing.



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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. Get prompt medical attention.

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## 5. FIRE FIGHTING MEASURES:

Hazardous combustion Products	:	CO, phenolic
Firefighting measures	:	Foam, carbon dioxide, dry chemical. Wear protective equipment including self contains apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES:

Personal Precautions	:	Use cautious judgment when cleaning up spill. Shut off leaks, if possible without personal risk. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.
Environmental Precautions	:	Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.
Clean-up Methods	:	<b>Small spills:</b> Soak up with absorbent material such as clay, sand and or other suitable non-reactive material. Place in leak-proof containers. Seal tightly for proper disposal. <b>Large spills:</b> Approach suspected leak areas with caution. Create a dike or trench to contain material. Soak up with absorbent material such as clay, sand or other suitable non-reactive material. Place in leak-proof containers. Seal tightly for proper disposal.
Additional Information	:	Notify authorities if any exposures to the general public or environment occur or are likely to occur. Dispose in accordance with federal, state and local regulations.



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## 7. HANDLING AND STORAGE:

<b>Storage</b>	:	Keep away from: acids, oxidizers, heat or flames. Keep in cool, dry, well-ventilated area in closed containers. Protect containers from physical damage.
<b>Handling</b>	:	To prevent skin and eye contact under the unforeseeable conditions of use, wear appropriate protective clothing and safety eyewear. When handling, do not eat, drink or smoke. Wash thoroughly after handling. Avoid breathing fumes. Handle in a well-ventilated work area.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

<b>Protective Measure</b>	:	Wear appropriate protective equipment.
<b>Eye Protection</b>	:	Avoid contact with eyes. Wear chemical splash goggles or safety glasses with side shield.
<b>Hand Protection</b>	:	Wear chemical-resistant gloves such as: Nitrile, neoprene, butyl.
<b>Skin &amp; Body Protection</b>	:	Wear chemical-resistant gloves and other clothing as required to minimize contact.
<b>Respiratory Protection</b>	:	Not required for properly ventilated areas.

COMPONENT	ACGIH (TLV)	OSHA (PEL)
Poly(BisPhenolA-co-Epichlorohydrin) Glycidyl End-Capped	N//E	N/E
Zinc Dust (Fume)	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>
Xylene, Mixed Isomers	20 ppm	100 ppm
Ethylbenzene	100 ppm	100 ppm
Methyl Isobutyl Ketone	100 ppm	100 ppm

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

Form	:	Liquid
Colour	:	Grey
Odour	:	characteristic
Change in physical state	:	N/A
Boiling point, °C (mm Hg)	:	N/A
Melting point, °C	:	



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Flash Point (°C)	:	> 100 °C
Auto ignition temperature (°C)	:	N/A
Explosion limits	:	N/A
-lower		
-upper		
Thermal decomposition	:	N/A
Specific gravity (°C)	:	1.4 (25)
Vapor pressure, mbar (°C)	:	< 1000mbar (50)
Viscosity (°C)	:	150 – 300 poise (25)
pH value (°C)	:	N/A
Solubility in water (°C)	:	N/A

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## 10. STABILITY AND REACTIVITY:

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

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## 11. TOXICOLOGICAL INFORMATION:

<b>Acute Oral (LD"50", Rat)</b>	:	N/E
<b>Acute Dermal (LD"50")</b>	:	N/E
<b>Acute Inhalation (LC"50", Rat)</b>	:	N/E
<b>Chronic Health Hazard</b>	:	The Diglycidyl Ether of Bisphenol A has shown weak carcinogenicity in 2-year mice bioassays. This material has shown activity in-vitro microbial mutagenicity screening and has produced chromosomal aberrations in cultured in cultured rat liver cells. No activity when tested by vivo mutagenicity assays.

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## 13. DISPOSAL CONSIDERATIONS:

<b>Waste from Residues/Unused Products:</b>	Dispose of container and unused contents in accordance with federal, state and local requirements.
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## 14. TRANSPORT INFORMATION:

DOT	:	UN1866, Resin Solution, 3, III
IATA	:	UN1866, Resin Solution, 3, III
IMDG	:	UN1866, Resin Solution, 3, III, Marine Pollutant

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## 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** : LAVAZINC EP PART B  
**HS CODE** : **32089000**  
**Application** : Zinc Rich Epoxy Primer- Hardener  
**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](mailto:info@matex.ae)  
**Website** : [www.matex-global.com](http://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 ingredient Contains**

Ingredients	% Composition	CAS No.
Modified Polyamide	100	68953-36-6



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## 4. FIRST AID MEASURES:

<b>Eyes</b>	:	Remove contact lenses. Hold eyelids apart. Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.
<b>Skin</b>	:	Wash thoroughly with soap and water. Remove contaminated clothing. Thoroughly wash clothing before reuse. Render unusable and discard contaminated shoes and leather articles.
<b>Inhalation</b>	:	Remove to fresh air. Give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
<b>Ingestion</b>	:	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.

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## 5. FIRE FIGHTING MEASURES:

<b>Fire fighting procedures</b>	:	Evacuate area immediately. Do not fight fire.
<b>Extinguishing media</b>	:	Deluge with large quantities of water as quickly as possible by automatic sprinkles or fire hose from a protected location. Product is self-oxidizing.
<b>Conditions to avoid</b>	:	Avoid impact, friction, heat, sparks, or flame.
<b>Hazardous combustion products</b>	:	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.

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## 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



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sparks. In case of accidental spill or release, refer to Section 8, Personal Protective Equipment and General Hygiene Practices.

## 7. HANDLING AND STORAGE:

<b>General measures</b>	:	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 containers. Check old product for deterioration regularly.
<b>Materials or conditions</b>	:	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:

<b>General Hygienic Practices</b>	:	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.
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### Recommended Exposure Limits:

Hazardous Component Wt. % Limit Basis

	ppm	TWA mg/m <sup>3</sup>		ppm	STEL mg/m <sup>3</sup>
1) ACGIH		N/E		N/E	N/E
2) ACGIH		N/E		N/E	N/E

### Personal Protective Equipment:

Safety glasses  
Impervious gloves



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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.

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.

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## **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)		

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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.

**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** :

<b>Acute Toxicity</b>	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		

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## 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 advise (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)

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## 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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