

Material Safety Data Sheet

NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

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

Product Name	:	EPOSHIELD W40 PART A
HS CODE	:	39073000
Application	:	Non-toxic Water Based Epoxy 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:

Hazard Classification	:	Hazardous according to the criteria of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
Hazardous Categories	:	Skin Corrosion/Irritation – Category 2 Serious Eye Damage/Irritation – Category 2 Sensitization (Skin) – Category 1 Long-term Hazard to the Aquatic Environment Category 2

Pictograms



Signal Word

Hazard Statement (s)

Precautionary Statement (s)

:	-
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects
P261	Avoid breathing dust/fume/gas/mist/vapours/ Spray
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P280	Wear protective gloves/eye protection/face

Material Safety Data Sheet

protection

P302+P352 IF ON SKIN: Wash with plenty of soap and Water

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P333+P313 If skin irritation or rash occurs. Get medical advise

P337+P313 If eye irritation persists: Get medical advice

P391 Collect spillage

P362+P364 Take off contaminated clothing and wash It before reuse

P501 Dispose of contents/container in accordance with local/regional/national/international regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients	% Composition	CAS #
Epoxy resin	>95	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. If skin irritation or rash occurs, get medical advice/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.

Material Safety Data Sheet

5. FIRE FIGHTING MEASURES:

General measures	:	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out. Do not inhale explosion gases or combustion gases
Flammability conditions	:	May burn but does not ignite readily
Extinguishing Media Suitable	:	Use water spray, alcohol-resistant foam, dry powder or Carbon dioxide (CO ₂) for extinction – Do not use water with full jet
Fire and explosion hazard	:	Containers may explode when heated
Hazardous products of combustion	:	Fire may produce irritating and/or toxic fumes including Carbon Monoxide (CO), Carbon Dioxide (CO ₂), Phenols
Special Fire Fighting Instructions	:	Contain runoff from fire control or dilution water – runoff may pollute waterways
Personal Protective Equipment	:	Wear positive-pressure self-contained breathing Apparatus (SCBA) and protective fire fighting clothing (including fire fighting helmet, coat, trousers, boots and gloves)

6. ACCIDENTAL RELEASE MEASURES:

General Response Procedure	:	Ensure adequate ventilation. ELIMINATE all ignition sources (no smoking, flares, sparks or flames). Do not touch or walk through spilled material. Avoid contact with eyes, skin and clothing.
Clean Up Procedures	:	Pick up with sand or other non-combustible absorbent material and place into containers for later disposal
Containment	:	Stop leak if safe to do so – prevent entry into waterways, drains or confined areas
Environmental precautionary measures	:	Do not allow to enter sewers/surface or ground water. Inform respective authorities in case of seepage into Water course or sewage system
Evacuation Criteria	:	Spill or leak area should be isolated immediately. Keep unprotective/unauthorized personnel away.
Personal Precautionary Measures	:	Wear protective equipment

Material Safety Data Sheet

7. HANDLING AND STORAGE:

Handling	:	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin, and clothing. Do not ingest. Wear protective equipment. Avoid release to the environment – collect spillage. Protect against electrostatic discharge
Storage	:	Store in a cool, dry and well-ventilated place. Protect from heat and direct sunlight. Keep container tightly closed. Keep away from foodstuffs, beverages and feed. Keep away from incompatible materials
Container	:	Keep in the original container

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS:

General	:	Contains no substances with occupational exposure limit values
Exposure limits	:	No data available
Biological limits	:	No information available
Engineering measures	:	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source preventing dispersion of it into the general work area.
Personal Protection Equipment :		Respiratory protection: wear suitable respiratory protective device. Recommended: in case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Eye/face protection: wear appropriate eye protection to avoid eye contact. Recommended: tightly sealed goggles: safety glass with side shields or equivalent Hand protection: wear protective gloves: recommended: the glove material has to be impermeable and resistant to the product/substance/preparation, e.g. butyl rubber, nitrile rubber, PVC gloves, neoprene gloves, ethyl vinyl alcohol laminate (EVAL) Skin/body protection: wear appropriate personal protective clothing to avoid skin contact. Recommended: use protective

Material Safety Data Sheet

Special Hazards Precautions:

Work Hygienic Practices:

suit. The type of protective equipment must be selected according to the concentration and amount of the hazardous substance(s) at the specific workplace.

No information available

Do not eat, drink or smoke when using this product. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Be sure to clean skin thoroughly after work and before breaks. Ensure that washing facilities are available at the work place.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form	:	Liquid
Colour	:	Colorless to pale
Odour	:	Characteristic
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:

General Information	:	When properly handled and stored, no dangerous reaction is known
Chemical Stability	:	This product is stable under prescribed use and

Material Safety Data Sheet

		Storage
Conditions to avoid	:	Avoid temperatures above 300°C
Materials to avoid	:	Incompatible/reactive with amines, acids, alkalis and oxidizing agents
Hazardous decomposition	;	Fire/decomposition may produce irritating and/or toxic fumes, including Carbon Monoxide (CO), Carbon Dioxide (CO ₂), phenols
Hazardous Polymerisation	:	Masses of more than one pound (0.5 kg) of product plus an aliphatic amine will cause irreversible polymerization with considerable heat build-up

11. TOXICOLOGICAL INFORMATION:

Information of Toxicity	:	Not tested
General Acute Oral Toxicity (LD50, rat)	:	
Skin Irritation	:	May cause irritation
Eye Irritation	:	May cause inflammation
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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Material Safety Data Sheet

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. 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.

Material Safety Data Sheet

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**.

Material Safety Data Sheet

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

Product Name : EPOSHIELD W40 PART B
HS CODE : **39073000**
Application : Non Toxic Water Based Epoxy 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 : Product may cause skin and eye irritation/and or sensitization after repeat contact.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients	% Composition	CAS #
Aqueous solution of polyamine adduct	>90	proprietary

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.

Material Safety Data Sheet

5. FIRE FIGHTING MEASURES:

Extinguishing Media Suitable	:	Foam, carbon dioxide and dry powder and water.
Not to be used	:	Combustion products
Further information	:	Use self-contained apparatus for fire fighting

6. ACCIDENTAL RELEASE MEASURES:

After Spillage/Leakage	:	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	:	yellowish to Colorless
Odour	:	Characteristic
Change in physical state	:	N/A

Material Safety Data Sheet

Boiling point, °C (mm Hg)	:	>150
Melting point, °C	:	N/A
Flash Point (°C)	:	>100
Auto-ignition temperature (°C)	:	N/A
Explosion limits	:	N/A
-lower		
-upper		
Thermal decomposition	:	peroxides of carbon and nitrogen
Density, g/cm ³ (°C)	:	1.0- 1.1 (25)
Vapour pressure, mbar (°C)	:	N/A
Viscosity (°C)	:	<1.0 poise (25)
pH value (°C)	:	N/A
Solubility in water (°C)	:	miscible

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	:	

12. ECOLOGICAL INFORMATION:

Ecological Effect Information	:	Do not discharge product into drains and sewers.
Impairment of Sludge Activity	:	
Other information	:	Not readily biodegradable

Material Safety Data Sheet

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.	:	NA
IMDG Code	:	
GGVE/GGVS	:	
ICAO/IATA	:	
ADNR	:	
Other Information	:	

15. REGULATORY INFORMATION:

Labelling	:	According to EEC directives for preparation.
Symbol	:	Xi – Irritant
R Phrase(s)	:	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

16. OTHER INFORMATION:

Material Safety Data Sheet

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Manufacturer	:	MATEX CONSTRUCTION CHEMICALS MANUFACTURING CO. L.L.C.
Address	:	P.O. Box 29585
Telephone	:	+971 4 3334140
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2. HAZARDS IDENTIFICATION:

Hazard Classification	:	Hazardous according to the criteria of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
Hazardous Categories	:	Skin Corrosion/Irritation – Category 2 Serious Eye Damage/Irritation – Category 2 Sensitization (Skin) – Category 1 Long-term Hazard to the Aquatic Environment Category 2
Pictograms	:	 
Signal Word	:	-
Hazard Statement (s)	:	H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H411 Toxic to aquatic life with long lasting effects
Precautionary Statement (s)	:	P261 Avoid breathing dust/fume/gas/mist/vapours/Spray P272 Contaminated work clothing should not be allowed out of the workplace P273 Avoid release to the environment P280 Wear protective gloves/eye protection/face