



Material Safety Data Sheet

NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

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

Product Name	:	MEGASEAL EPP Part - A
HS CODE	:	32089000
Application	:	High build flexible epoxy polyurethane sealant
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:

Classification of the Chemical:

Skin Sense 1
Eye Irritant 2
Skin Irritant 2

Hazard statements:

H319 Causes serious eye irritation
H315 Causes Skin Irritation
H317 May cause allergic skin reaction

Precautionary statements:

P233 Keep container tightly closed
P280 Wear protective gloves / protective clothing / eye protection
P333+P313 If skin irritation or rash occurs, get medical attention
P501 Dispose of contents/ container in accordance with applicable regulations.
P337+P313 If eye irritation persists, get medical attention
EUH204 Contains isocyanates. May produce an allergic reaction.

Other Hazards

No other hazards

Material Safety Data Sheet

3. COMPOSITION / INFORMATION ON INGREDIENTS:

INGREDIENTS:				
Name	% Composition	CAS No.	Classification	Specific Concentration Limits M- Factors
	30-50	28182-81-2	Acute Toxicity H 332 Skin Irritant 2 H 315 STOT SE3 H 335	
Pigments + Fillers	20-40	471-34-1 471-34-1	Non Hazardous	
Additives	<1.0	Proprietary	Not Classified	
Epoxy resin	15-25	25068-38-6	SKin Irritant H 315 Skin Sense H 317 Skin Irritant 2 H 315 STOT SE3 H 335	Warning Eye Irritant 2 : C _≥ 5% STOT SE3 : C _≥ 5% Skin Irritant 2 : C _≥ 5% Resp. Sense 1 : C _≥ 1%

4. FIRST AID MEASURES:

General Advice	:	First aid personnel should pay attention to their own safety. Remove contaminated clothing.
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. Get prompt medical attention.
Note to Physician		
Treatment	:	Treat according to symptoms (decontamination, vital functions), no known specific antidotes.

Material Safety Data Sheet

5. FIRE FIGHTING MEASURES:

Suitable Extinguishing Media	:	Foam, water spray, dry extinguishing media, carbon dioxide.
Unsuitable Extinguishing Media:		Water jet.
Specific Hazards	:	Carbon dioxide, carbon monoxide, harmful vapors, nitrogen oxides, fumes / smoke, carbon black
Special Protective Equipment	:	Appropriate-breathing apparatus may be required
Additional information	:	Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.

6. ACCIDENTAL RELEASE MEASURES:

Personal Precautions	:	Use personal protective clothing. Do not breathe vapor/aerosol/spray mists. Sources of ignition should be kept well clear. Handle in accordance with good building materials hygiene and safety practice.
Environmental Precautions	:	Prevent entry into drains, sewers and water courses.
Methods for Cleaning up or Taking UP	:	Shut off all ignition sources or flames in hazard area. Contain the spill with sand or earth. Place used absorbent in suitable sealed containers and follow state or local authority regulations and guidelines for disposal of the waste. Clean area with detergent and water.

7. HANDLING AND STORAGE:

Precautions for Safe Handling	:	Wear personal protective equipment (PPE) as per Section 8.
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. Store at 5°C to 35°C. Keep away from incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS:

Protective clothing to be worn	:	Always wear eye protection, protect hands under rubber gloves, wear protective footwear.
Engineering Controls	:	Where mists or vapors are generated exhaust ventilation should be provided to maintain airborne concentration levels to a level as low as reasonably practicable.

Material Safety Data Sheet

Ventilation	:	Adequate, local ventilation must be provided for all enclosed work spaces.
Spill Procedures	:	Contain and absorb spilled materials with a non-flammable substance such as sand.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form	:	Liquid
Colour	:	Grey
Odour	:	Sealant
Change in physical state	:	N/A
Boiling point, °C (mm Hg)	:	N/A
Melting point, °C	:	
Boiling Point (°C)	:	> 150°C
Auto-ignition temperature (°C)	:	N/A
Explosion limits	:	N/A
-lower	:	
-upper	:	
Thermal decomposition	:	N/A
Specific gravity (°C)	:	1.2
Viscosity (mPa.s)	:	11000
Vapour pressure, mbar	:	no data available
pH value (°C)	:	N/A
Solubility in water (°C)	:	N/A

10. STABILITY AND REACTIVITY:

Chemical stability	:	Stable when stored and used as directed
Conditions	:	Heat, flames, ignition sources and incompatibles
Incompatible materials	:	Not to be loaded with strong alkalis, oxidizing agents, acids, nitrates.
Hazardous decomposition	:	
Products	:	Oxides of carbon when heated to decomposition
Hazardous reactions	:	No information available.

Material Safety Data Sheet

11. TOXICOLOGICAL INFORMATION:

Health Effects from the Likely Routes of Exposure:

Acute	:	Not established for this product.
Eyes	:	May cause irritation to the eyes with effects including tearing, pain, stinging and blurred vision.
Skin	:	Harmful by contact with skin. Effects including redness, itchiness, drying and defatting.
Ingestion	:	Harmful to mouth, throat and stomach. There is some probability that this product could be aspirated into the lungs and hence, if vomiting occurs, this may lead to chemical pneumonitis which can be fatal.
Inhalation	:	Harmful by inhalation, may cause irritation to the nervous system depression. May cause irritation to the nose, throat and respiratory system with effects including dizziness, headache, staggering gait, nausea and if the concentration of vapours is high enough and unconsciousness.

12. ECOLOGICAL INFORMATION:

Ecotoxicity	:	Avoid contaminating waterways. It could be toxic to the biomass in a treatment plant and could be toxic to fish. Keep out of surface waters, sewers and waterways entering or leading to surface waters. Notify authorities if any exposure to the general public or environment occurs or is likely to occur. No specific data is available.
Degradation and persistence	:	All solvents are biodegradable and oxidize by photo-chemical reactions with air.
Persistence and biodegradability	:	Not established for this product

13. DISPOSAL CONSIDERATIONS:

Disposal methods and containers	:	Follow state or local authority regulations and guidelines for disposal of the waste. Clean area with detergent and water. Do not allow product to enter drains, sewers or water courses. – inform the local authorities if this occurs.
Special precautions for landfill and incineration	:	Not established for this product.

Material Safety Data Sheet

14. TRANSPORT INFORMATION:

UN Number

Not classified as dangerous in the meaning of transport regulations.

Un number : ----

UN proper shipping name

N.A.

Transport hazard class (es)

Rail/Road (RID/ADR): No dangerous good

ADR-Upper number: NA

Air (ICAO/IATA): No dangerous good

Sea (IMO/IMDG): No dangerous good

Packing group

N.A.

Environmental hazards

Marine pollutant: No

Special precautions for user

N.A.

Transport in bulk according to Annex II of Marpol and the IBC Code

No

15. REGULATORY INFORMATION:

Hazard statements:

H319 Causes serious eye irritation

H315 Causes Skin Irritation

H317 May cause allergic skin reaction

Precautionary statements:

P233 Keep container tightly closed

P280 Wear protective gloves / protective clothing / eye protection

P333+P313 If skin irritation or rash occurs, get medical attention

P501 Dispose of contents/ container in accordance with applicable regulations.

P337+P313 If eye irritation persists, get medical attention

EUH204 Contains isocyanates. May produce an allergic reaction.

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.



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HS CODE	:	32089000
Application	:	High build flexible epoxy polyurethane sealant
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:

Classification of the Chemical:

Acute Toxicity 4	Harmful if inhaled, swallowed
Skin Sens 1B	May cause allergic skin reaction
Skin Corr. 1B	Causes severe skin burns and eye damage
Aquatic Chronic 3	Toxic to aquatic life with long lasting effects

Hazard statements:

H 302 Harmful if swallowed
H 332 Harmful if inhaled
H 319 Causes serious eye irritation
H 314 Causes severe skin burns and eye damage
H 318 Causes serious eye damage
H 317 Causes allergic skin reaction
H 412 Harmful to aquatic life with long lasting effects

Precautionary statements:

P202 Do not handle until all precast one have been read and understood
P273 Avoid release to environment
P280 Wear protective gloves/protective clothing/ eye protection/ face protection
P303+P361+P353 If on skin: take off immediately all contaminated clothing. Rinse skin with water.
P501 Dispose of contents/ container in accordance with applicable regulations.

Material Safety Data Sheet

3. COMPOSITION / INFORMATION ON INGREDIENTS:

INGREDIENTS:				
Name	% Composition	CAS No.	Classification	Labelling
Benzyl Alcohol	10-30	100-51-6	Acute Toxicity 4 H 332, H 302 Eye Irritant 2 H 319	Warning
Polyamine – Epoxy Resin Added	60-80	---	Acute Toxicity 4 H 332, H 302 Skin corr. 1 B H 314 Eye Dem. 1 H 318 Skin Sens. 1 H 317 Aquatic Chronic 3 H 412	Warning

4. FIRST AID MEASURES:

General Advice	:	First aid personnel should pay attention to their own safety. Remove contaminated clothing.
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 glasses of water. Get prompt medical attention.
Note to Physician	:	
Treatment	:	Treat according to symptoms (decontamination, vital functions), no known specific antidotes.

5. FIRE FIGHTING MEASURES:

Suitable Extinguishing Media	:	Foam, water spray, dry extinguishing media, carbon dioxide.
Unsuitable Extinguishing Media:		Water jet.



Material Safety Data Sheet

Specific Hazards	:	Carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes / smoke, carbon black
Special Protective Equipment	:	Appropriate-breathing apparatus may be required
Additional information	:	Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.

6. ACCIDENTAL RELEASE MEASURES:

Personal Precautions	:	Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Sources of ignition should be kept well clear. Handle in accordance with good building materials hygiene and safety practice.
Environmental Precautions	:	Prevent entry into drains, sewers and water courses.
Methods for Cleaning up or Taking UP	:	For small amounts – Pick up the inert absorbent material like sand, earth, etc. Dispose of contaminated material as prescribed. For large amounts – Pump off products.

7. HANDLING AND STORAGE:

Handling	:	Avoid aerosol formation. Avoid inhalation of mists / vapours. Avoid skin contact. No special measures necessary provided product is used correctly.
Storage	:	Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Store protected against freezing and against direct sunlight. Protect from temperatures below 5°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS:

Protective clothing to be worn	:	Always wear eye protection, protect hands under rubber gloves, wear protective footwear.
Engineering Controls	:	Where mists or vapors are generated exhaust ventilation should be provided to maintain airborne concentration levels to a level as low as reasonably practicable.
Ventilation	:	Adequate, local ventilation must be provided for all enclosed work spaces.

Material Safety Data Sheet

Spill Procedures : Contain and absorb spilled materials with a non-flammable substance such as sand.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form	:	Liquid
Colour	:	Yellowish
Odour	:	Ammonia
Change in physical state	:	N/A
Boiling point, °C (mm Hg)	:	N/A
Melting point, °C	:	N/A
Boiling Point (°C)	:	N/A
Flash Point (°C)	:	N/A
Autoignition temperature (°C)	:	> 400°C
Thermal decomposition	:	N/A
Specific gravity (°C)	:	0.95
Viscosity (mPa.s)	:	200-500
Vapour pressure (50°C)	:	N/A
pH value (°C)	:	N/A
Solubility in water (°C)	:	N/A

10. STABILITY AND REACTIVITY:

Conditions to Avoid	:	Stable under recommended storage and handling conditions
Materials to Avoid	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. Exothermic reactions with amines and alcohols. In contact with water (moisture) CO ₂ is formed which leads to an excess pressure in closed containers.
Hazardous Decomposition Products	:	When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

Material Safety Data Sheet

11. TOXICOLOGICAL INFORMATION:

Experience on Practice	:	Based on the properties of the isocyanate components and considering toxicological data on similar preparations, this preparation may cause acute irritation and / or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL (Occupational Exposure Limit). Repeated exposure may lead to permanent respiratory disability. Delayed reactions possible (breathing problems, coughs, asthma).
Additional Toxicological Information	:	The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General

12. ECOLOGICAL INFORMATION:

Ecotoxicity Assessment of Aquatic Toxicity	:	There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.
Information on Methylenediphenyl Diisocyanate Assessment of Aquatic Toxicity	:	There is a high probability that the product is not acutely harmful to aquatic organisms. No toxic effects occur within the range of solubility. The inhibition of degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.
Toxicity to Fish	:	LC0 (96h) > 1,000 mg/l, Brachydanio rerio (OECD 203; ISO 7346; 84/449/EEC, C.1, static) Nominal concentration.
Aquatic Invertebrates	:	EC0 (24h) > 1,000 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)
Aquatic Plants	:	No observed effect concentration (72h) > 1,640 mg/l, scenedesmus subspicatus (OECD Guideline 201)
Microorganisms / Effect On Activated Sludge	:	EC50 > 100 mg/l, activated sludge (OECD Guideline 209, aquatic)

Material Safety Data Sheet

13. DISPOSAL CONSIDERATIONS:

Observe national and local legal requirements. Residues should be disposed of in the same manner as the substance / product.

Contaminated Packaging : Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. TRANSPORT INFORMATION:

UN Number

2735

UN Proper shipping name

ADR-Shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S. (polyethylenamine)

IATA-Technical name: AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S. (polyethylenamine)

IMDG-Technical name: AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S. (polyethylenamine)

Transport hazard class(es)

ADR-Class: 8

IATA-Class: 8

IMDG-Class: 8

Packing group

ADR-Packing Group: III

IATA-Packing Group: III

IMDG-Packing Group: III

Environmental hazards

Toxic ingredients quantity: 0.00

Very Toxic ingredients quantity: 0.00

Marine pollutant: Yes

Environmental pollutant: Yes

Special precautions for user

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Material Safety Data Sheet

15. REGULATORY INFORMATION:

Hazard statements:

H 302 Harmful if swallowed
H 332 Harmful if inhaled
H 319 Causes serious eye irritation
H 314 Causes severe skin burns and eye damage
H 318 Causes serious eye damage
H 317 Causes allergic skin reaction
H 412 Harmful to aquatic life with long lasting effects

Precautionary statements:

P202 Do not handle until all precast one have been read and understood
P273 Avoid release to environment
P280 Wear protective gloves/protective clothing/ eye protection/ face protection
P303+P361+P353 If on skin: take off immediately all contaminated clothing. Rinse skin with water.
P501 Dispose of contents/ container in accordance with applicable regulations.

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