



Material Safety Data Sheet

NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

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

Product Name : CONJECT PUF 95 – PART A
HS CODE : 39095000
Application : Semi-flexible Polyurethane Injection Foam
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 INGREDIENTS:

Ingredients	% Composition	CAS No.
4,4'-diphenylmethanediisocyanate	30-40	9016-87-9
Isocyanate Prepolymer	>50	Proprietary

3. HAZARDOUS IDENTIFICATION:

Hazard Symbol(s) : Xn, harmful
R-phrases(s) : R42/43, May cause sensitization by inhalation and skin contact
: R20, Harmful by inhalation
: R36/37/38, Irritating to eyes, respiratory system and skin
S-phrases(s) : S2, Keep out of reach of children
: S26, In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
: S35, This material and its container must be disposed of in a safe way.
: S36/37, Wear suitable protective clothing and gloves
: S45, In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).



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- : S46, If swallowed, seek medical advice immediately and show this container or label.
 - : S51, Use only in well-ventilated areas
 - : S63, In case of accident by inhalation: remove casualty to fresh air and keep at rest.
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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. |
| 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. |



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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 PROTECTION:

NOHSC 1003 (1995)		
Exposure Standard	:	Isocyanate 0.02 mg/m ³ TWA, 0.07 mg/m ³ STEL (as NCO)
Engineering Control Measures	:	Use with adequate general and local exhaust ventilation
Personal Protective Equipment	:	Impervious gloves, safety goggles, plastic apron

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form	:	Liquid
Colour	:	Brown
Odour	:	musty
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)	:	> 200 °C
Autoignition temperature (°C)	:	N/A
Thermal decomposition	:	N/A
Specific gravity (°C)	:	1.09-1.23 (25)
Viscosity (mPa.s)	:	N/A
pH value (°C)	:	N/A
Solubility in water (°C)	:	Reacts with water

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.

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	:	The product was classified in toxicological terms on the

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Information

basis of the results of the calculation procedure outlined within General Directive on Preparations (88/379/EEC).

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 Methylendiphenyl 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

: LCo (96h) > 1,000 mg/l, Brachydanio rerio (OECD 203; ISO 7346; 84/449/EEC, C.1, static) Nominal concentration.

Aquatic Invertebrates

: ECo (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)

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.



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14. TRANSPORT INFORMATION:

Domestic Transport	:	Not classified as a dangerous good under transport regulations.
Sea Transport IMDG	:	Not classified as dangerous good under transport regulations.
Air Transport IATA / CAO	:	Not classified as dangerous good under transport regulations.

15. REGULATORY INFORMATION:

EEC Directives:

Hazard Symbol(s)	:	Xn, harmful
R-phrases(s)	:	R42/43, May cause sensitization by inhalation and skin contact
	:	R20, Harmful by inhalation
	:	R36/37/38, Irritating to eyes, respiratory system and skin
S-phrases(s)	:	S2, Keep out of reach of children
	:	S26, In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	:	S35, This material and its container must be disposed of in a safe way.
	:	S36/37, Wear suitable protective clothing and gloves
	:	S45, In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
	:	S46, If swallowed, seek medical advice immediately and show this container or label.
	:	S51, Use only in well-ventilated areas
	:	S63, In case of accident by inhalation: remove casualty to fresh air and keep at rest.
	:	S64, If swallowed, rise mouth with water (only if the person is conscious).

Contains isocyanates. Observe manufacturer's instructions.

Hazard Determining Components



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For Labeling

: Diphenylmethane – 4, 4' – Diisocyanate (MDI),
Methylenediphenyldiisocyanate, Poly-functional
isocyanate

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.



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NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

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

Product Name : COINJECT PUF 95 –Catalyst
HS CODE : **39095000**
Application : Rigid Polyurethane Injection Resin
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 INGREDIENTS:

Ingredients	% Composition	CAS No.
Tert. Amine	15-20	98-94-2
Polysiloxane copolymer	1 - 5	68957-00-6
Phthalate Plasticizer	70-75	84-74-2

3. HAZARDOUS IDENTIFICATION:

Symbol(s) : Xn, C,T
: R20/21/22 – harmful by inhalation,skin contact and if Swallowed.
R61/62 may impair fertility and harm to inborn child
S2—Keep out of reach of children
S36 / 37 wear suitable protective clothing, goggles
S26—in case of contact with eyes ,rinse with plenty Of water. Seek medical advice.

Health Hazards : Adverse physicochemical, human health and
: Environmental effects. Toxic if swallowed, inhaled or contact with skin.



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4. FIRST AID MEASURES:

Skin contact	:	Gently wash with plenty of soap and water.
Eye contact	:	Obtain medical attention if pain, blinking or redness persist. Rinse immediately with plenty of water. amounts of clean warm water for 15 minutes. Get prompt medical attention.
Inhalation	:	Allow victim to breathe fresh air. If you feel unwell, seek medical advice
Ingestion	:	Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

5. FIRE FIGHTING MEASURES:

Suitable Extinguishing Media	:	Dry powder. Carbon dioxide.
Unsuitable Extinguishing Media	:	Do not use a heavy water stream.
Specific Hazards	:	No additional information available
Special Protective Equipment	:	Do not enter fire area without proper protective equipment, including Respiratory protection.

6. ACCIDENTAL RELEASE MEASURES:

Personal Precautions	:	Evacuate unnecessary personnel.
	:	Equip cleanup crew with proper protection.
Environmental Precautions	:	Notify authorities if liquid enters sewers or public waters. Prevent entry to sewers and public waters.

7. HANDLING AND STORAGE:

Handling	:	Use only outdoors or in a well-ventilated area.
	:	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Storage	:	Keep container closed when not in use. Store in original container.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

5mg/m³ -- OSHA TWA
 5mg/m³ -- ACGIH TWA
 5mg/m³ -- NIOSH recommended exposure limits

Personal protective equipment	:	Gloves. Safety glasses, Protective clothing.
Hand protection	:	Protective gloves.
Eye protection	:	Chemical goggles or safety glasses.
Skin and body protection	:	Wear suitable protective clothing.
Other information	:	Do not eat, drink or smoke during use

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form	:	Liquid
Colour	:	light yellow
Odour	:	characteristic.
Change in physical state	:	N/A
Density	:	0.923 g/L
Boiling point, °C (mm Hg)	:	N/A
Melting point, °C	:	
Flash Point (°C)	:	N/A
Autoignition temperature (°C)	:	N/A
Explosion limits	:	N/A
-lower		
-upper		
Thermal decomposition	:	N/A
Specific gravity (°C)	:	N/A
Viscosity (mPa.s)	:	8 mPa.s
Vapour pressure, mbar	:	N/A
pH value (°C)	:	N/A
Solubility in water (°C)	:	N/A

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10. STABILITY AND REACTIVITY:

Reactivity	:	Stable under normal conditions.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No additional information available
Conditions to avoid	:	Direct sunlight. Extremely high or low temperatures
Incompatible materials	:	Metal ions. May react violently with acids.
Hazardous decomposition products: None.		

11. TOXICOLOGICAL INFORMATION:

Acute toxicity	:	Toxic by inhalation, injection
Skin corrosion/irritation	:	Causes severe skin irritation.
Serious eye damage/irritation	:	Serious eye irritation.
Respiratory or skin sensitization	:	skin irritation:
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Available
Specific target organ toxicity (repeated exposure)	:	Kidney Problems
On Activated Sludge	:	EC ₅₀ > 100 mg/l, activated sludge (OECD Guideline 209, aquatic)

12. ECOLOGICAL INFORMATION:

No additional information available.

13. DISPOSAL CONSIDERATIONS:

Regional legislation (waste)	:	Disposal must be done according to official regulations.
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14. TRANSPORT INFORMATION:

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 2735

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EN (English) 5/7

UN-No. (IMDG): 2735

UN-No.(IATA) : 2735

UN-No.(ADN) : Not applicable

UN-No. (RID) : 2735

UN proper shipping name

Proper Shipping Name (ADR): AMINES, LIQUID, CORROSIVE, N.O.S.

Proper Shipping Name (IMDG): Not applicable

Proper Shipping Name (IATA): Not applicable

Proper Shipping Name (ADN): Not applicable

Proper Shipping Name (RID): Not applicable

Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 8

Hazard labels (ADR) : 8

IMDG

Transport hazard class(es) (IMDG) : 8

IATA

Transport hazard class(es) (IATA) : 8

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : 8

Danger labels (RID) : 8

Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

15. REGULATORY INFORMATION:

C : Corrosive

Xn : Harmful



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T : Toxic

R20/21/22 – harmful by inhalation, skin contact and if Swallowed.

R61/62 may impair fertility and harm to unborn child

S2—Keep out of reach of children

S36 / 37 wear suitable protective clothing, goggles

S26—in case of contact with eyes, rinse with plenty Of water. Seek medical advice.

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