



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 50 PART A
HS CODE : 39095000
Application : Polyurethane Injection Foaming 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 IDENTIFICATION:

Symbol(s) : Xn, N
Risk Phrase (s)
R36/38 : Irritating to eyes and skin
R43 : May cause sensitization by skin contact
R61 : May cause harm to unborn children
R62 : Possible risk of impaired fertility
R50 : Very toxic to aquatic organism
Health Hazards : Harmful if inhaled and in contact with skin

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients	% Composition	CAS No.
Branched Polyol	>70	Proprietary
Plasticizer	20-25	84-74-2
Accelerator	5-10	proprietary



Material Safety Data Sheet

4. FIRST AID MEASURES:

Eyes	:	Check and remove any contact lenses. Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention promptly
Skin	:	Wash thoroughly with soap and water or suitable skin cleanser as soon as possible.
Inhalation	:	Remove from exposure. Immediately move to fresh air. If breathing has stopped, administer artificial Respiration. Get prompt medical attention.
Ingestion	:	Guard against aspiration to lungs. If victim is conscious and alert, give glass of water. Get prompt medical attention.
General Advice	:	First aid personnel should pay attention to their own safety. Remove contaminated clothing
Note to Physician	:	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 sewerage 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.
-----------------------------	---	--



Material Safety Data Sheet

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.
Protection Against Fire And Explosion	:	No special precautions necessary
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. Protect from direct sunlight

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Engineering Controls	:	Use in well-ventilated area. Avoid generating and inhaling dusts. Adequate, local ventilation must be provided for all enclosed work spaces
Respiratory	:	Not applicable. (If product is sprayed, use supplied air bond)
Eye Protection	:	Chemical worker's goggles
Clothing	:	Protect hands under rubber gloves, wear protective Footwear
Spill Procedures	:	Contain and absorb spilled materials with a Non-flammable substance such as sand

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State	:	liquid
Colour	:	dark brown
Boiling Point/Range (°C)	:	Not applicable
Melting Point/Range (°C)	:	Not applicable



Material Safety Data Sheet

Flash Point (closed) (°C)	:	None
Autoflammability (°C)	:	Not determined
Explosive Properties (%)	:	Not known
Specific Gravity (at 20°C)	:	1.0 ± 0.03
Viscosity (25°C)	:	150 – 250 cps

10. STABILITY AND REACTIVITY:

Thermal Decomposition	:	No decomposition if stored and handled as prescribed Or indicated
Materials to Avoid	:	Strong acids, strong bases, strong oxidizing agents
Hazardous Reactions	:	The product is stable if stored and handled as Prescribed/indicated

11. TOXICOLOGICAL INFORMATION:

Based on our experience and information available, no adverse health effects are expected. If handled as recommended with suitable precautions for designated uses. The product has not been tested. The Statements on toxicology have been derived from products of similar structure and composition.

12. ECOLOGICAL INFORMATION:

Ecotoxicity

Assessment of aquatic toxicity:

At the present state of knowledge, no negative ecological effects are expected. 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 products of a similar structure and composition.

13. DISPOSAL CONSIDERATIONS:

Disposal must be in accordance with local and national legislation.
Contaminated packaging must be emptied of all residues and following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.



Material Safety Data Sheet

14. TRANSPORT INFORMATION:

UN NO.	:	3082
ICAO/IATA	:	CLASS 9 PACKING GROUP III

15. REGULATORY INFORMATION:

Symbol(s)	:	Xn, N
Risk Phrase (s)		
R36/38	:	Irritating to the eyes and skin
R43	:	May cause sensitization by skin contact
R61	:	May cause harm to unborn children
R62	:	Possible risk of impaired fertility
R50	:	Very toxic to aquatic organism
Health Hazards	:	Harmful if inhaled and in contact with skin
Safety Phrase (s)		
S53	:	Avoid exposure – obtain special instructions before use
S45	:	In case of accident or if you fell unwell, seek medical Advice immediately (show label where possible)
S61	:	Avoid release to the environment



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

NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

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

Product Name	:	CONJECT PUF 50 PART B
HS CODE	:	39095000
Application	:	Polyurethane Injection Foaming 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 IDENTIFICATION:

Symbol(s)	:	Xn, N
Risk Phrase (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
Safety Phrase (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 container label.
S51	:	Use only in well-ventilated areas
S63	:	In case of accident by inhalation, remove casualty to fresh air and keep at rest



Material Safety Data Sheet

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients	% Composition	CAS No.
Polyisocyanate Isomer	100	9016-87-9

4. FIRST AID MEASURES:

Eyes	:	Check and remove any contact lenses. Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention promptly
Skin	:	Wash thoroughly with soap and water or suitable skin cleanser as soon as possible.
Inhalation	:	Remove from exposure. Immediately move to fresh air If breathing has stopped, administer artificial Respiration. Get prompt medical attention.
Ingestion	:	Guard against aspiration to lungs. If victim is conscious and alert, give glass of water. Get prompt medical attention.
General Advice	:	First aid personnel should pay attention to their own safety. Remove contaminated clothing
Note to Physician	:	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 sewerage System.



Material Safety Data Sheet

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.
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 aerosol formation. Avoid inhalation of mists or vapours. Avoid skin contact. No special measures necessary provided product is used correctly
Protection Against Fire And Explosion	:	No special precautions necessary
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. Protect from direct sunlight

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 Controls	:	Use with adequate general and local exhaust ventilation
Personal Protective Equipment	:	Impervious gloves, safety goggles, plastic apron

Material Safety Data Sheet

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State	:	liquid
Colour	:	brown
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
Specific Gravity (at 20°C)	:	1.2 ± 0.03
Viscosity (25°C)	:	100 – 200 cps

10. STABILITY AND REACTIVITY:

Conditions to Avoid	:	Stable under recommended storage handling conditions
Materials to Avoid	:	Keep away from oxidizing agents, strongly alkaline and strong 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	:	When exposed with high temperatures may produce Hazardous decomposition products such as carbon Monoxide and dioxide, smoke, oxides of nitrogen

11. TOXICOLOGICAL INFORMATION:

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).

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (88/379/EEC).

Material Safety Data Sheet

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)

13. DISPOSAL CONSIDERATIONS:

Disposal must be in accordance with local and national legislation.

Contaminated packaging must be emptied as much as possible, then it can be passed on for recycling After being thoroughly cleaned

14. TRANSPORT INFORMATION:

Domestic Transport	:	not classified as a dangerous good under transport regulations
Sea Transport IMDG	:	not classified as a dangerous good under transport Regulations



Material Safety Data Sheet

Air Transport IATA / CAO	:	not classified as a dangerous good under transport regulations
--------------------------	---	--

15. REGULATORY INFORMATION:

EEC Directives:

Symbol(s)	:	Xn, N
Risk Phrase (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

Safety Phrase (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 container 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, rinse mouth with water only if the person is conscious

Contains isocyanates. Observe manufacturer's instructions.

Hazard Determining Components
For Labeling

:

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



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.