

# Material Safety Data Sheet



NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

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

**Product Name** : SEALEX PU, part A  
**HS CODE** : **32099090**  
**Application** : Water Based Clear Polyurethane Sealer  
**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** : non hazardous  
**Risk Phrase(s)** : R22: Harmful if swallowed  
: R36: Irritating to eyes  
: R38: Irritating to skin  
**Safety Phrase(s)** : S2: Keep out of reach of children  
: S7: Keep container tightly closed  
: S9: Keep container in a well-ventilated place  
: S13: Keep away from food, drink and animal foodstuffs  
: S16: Keep away from sources of ignition – no smoking  
: S18: Handle and open container with care  
: S3637: Wear suitable protective clothing and gloves

## 3. COMPOSITION / INFORMATION ON INGREDIENTS:

| Ingredients             | % Composition | CAS No.     |
|-------------------------|---------------|-------------|
| Polyurethane Dispersion | 75-80%        | 9017-09-8   |
| Water                   | 18%           | 7732-18-5   |
| Chemical Additives      | 5-7%          | Proprietary |

## 4. FIRST AID MEASURES:

Eye contact : Rinse immediately with plenty of water while holding eyelids open. Seek medical attention if irritation persists.

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|              |   |                                                                                                                                                                                                                                |
|--------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Skin contact | : | Remove contaminated clothes immediately and dispose off safely. Wash skin with soap and clean water. Do not reuse contaminated clothing. If symptoms persist, consult a physician                                              |
| Inhalation   | : | Immediately removed person to fresh air. If victim is not breathing, give artificial respiration. If there is difficulty in breathing, oxygen should be administered by qualified personnel. Seek immediate medical attention. |
| Ingestion    | : | Do not induce vomiting and seek medical attention. Do not attempt to give any liquids if victim is unconscious.                                                                                                                |

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## 5. FIRE FIGHTING MEASURES:

|                                         |   |                                                                                                                                                                   |
|-----------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General Hazard                          | : | Material is not combustible in normal conditions                                                                                                                  |
| Protective precautions<br>And Equipment | : | Use suitable breathing apparatus and protective clothing resistant to fire. Cool fire exposed containers with water. Clear the fire area of unprotected personnel |
| Suitable extinguishing media            | : | Use water fog, water spray, dry extinguishing media and carbon dioxide                                                                                            |

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## 6. ACCIDENTAL RELEASE MEASURES:

|                           |   |                                                                                                                                                                                                                                                   |
|---------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions      | : | Wear appropriate personal protection and ensure adequate ventilation. Do not inhale vapors. Use appropriate respiratory protection. Remove ignition sources                                                                                       |
| After spillage/leakage    | : | Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Preferably clean with detergent, avoid using solvent |
| Environmental precautions | : | Do not discharge product into drains. If product contaminates bodies of water or sewages, inform appropriate authorities in accordance with local regulations.                                                                                    |

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## 7. HANDLING AND STORAGE:

|                               |   |                                                                                                                      |
|-------------------------------|---|----------------------------------------------------------------------------------------------------------------------|
| Precautions for Safe Handling | : | Avoid contact with skin and eyes, inhalation of vapours and mists. Do not use empty containers before they have been |
|-------------------------------|---|----------------------------------------------------------------------------------------------------------------------|

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|                                       |                                                                                                                                                                |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                       | cleaned. Keep away from heat, sparks and flame. No smoking, open flames or sources of ignition in handling and storage areas.                                  |
| Protection against fire & explosion : | Avoid use in confined spaces and source of ignition. NO SMOKING. Vapors are heavier than air and may spread along floors. Ignition and/or flash back may occur |
| Conditions for safe storage :         | Keep container tightly closed. Store in original packing away from direct sunlight. Store away from sources of heat and ignition.                              |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS:

|                                |                                                                                                                                                                    |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Occupational Exposure limits : | none assigned                                                                                                                                                      |
| Engineering Control Measures : | Use with adequate general and local exhaust ventilation                                                                                                            |
| Personal Protective equipment  |                                                                                                                                                                    |
| Respiratory Protection :       | It is recommended to wear a mask with air supply or a mask. It is inadvisable to use the product for those with cases of hypersensitivity of the respiratory tract |
| Eye protection :               | Safety goggles. Do not use eye lens                                                                                                                                |
| Skin protection :              | Use suitable protective clothing                                                                                                                                   |
| Hand Protection :              | Use protective gloves that provides comprehensive protection                                                                                                       |
| Industrial hygiene :           | Wash hands before breaks and after finishing work. Do not eat, drink or smoke at workplace.                                                                        |

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

|                                 |                   |
|---------------------------------|-------------------|
| Form :                          | Liquid            |
| Color :                         | clear/milky white |
| Odour :                         |                   |
| Boiling point, °C :             | N/A               |
| Melting point, °C :             | N/A               |
| Flash point, °C :               | No data available |
| Autoflamability, °C :           | NA                |
| Explosion Limits                |                   |
| Lower :                         | NA                |
| Upper :                         | NA                |
| Density g/cc :                  | 1.0 ± 0.03 kg/lit |
| Viscosity @25-30°C, cps :       | 50-150            |
| Vapour Pressure, KPa at 20 °C : | not determined    |

## 10. STABILITY AND REACTIVITY:

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Chemical Stability : | Stable under recommended of storage & handling. |
|----------------------|-------------------------------------------------|

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Materials to avoid : Keep away from oxidizing agents, strong alkaline and strong acids in order to avoid exothermic reactions with amines and alcohols. In contact with water (moisture CO<sub>2</sub> is formed which leads to an excess pressure in closed containers.

## 11. TOXICOLOGICAL INFORMATION:

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs.

## 12. ECOLOGICAL INFORMATION:

Ecological effect information : Do not empty into drains and sewers. Large  
Impairment volume may penetrate soil and contaminate ground water.

## 13. DISPOSAL CONSIDERATIONS:

Disposal : Any disposal practices must be in compliance with all national and local laws governing hazardous waste. Do not dump into sewers, on the ground, or into any body of water. Contaminated packaging must be emptied of all residues and following appropriate cleaning, may be sent to a recycling plant.

## 14. TRANSPORT INFORMATION:

: Not classified as dangerous in the meaning of transport regulations

## 15. REGULATORY INFORMATION:

**Hazards Information** : non hazardous  
**Risk Phrase(s)** : R22: Harmful if swallowed  
: R36: Irritating to eyes  
: R38: Irritating to skin  
**Safety Phrase(s)** : S2: Keep out of reach of children  
: S7: Keep container tightly closed  
: S9: Keep container in a well-ventilated place  
: S13: Keep away from food, drink and animal foodstuffs  
: S16: Keep away from sources of ignition – no smoking  
: S18: Handle and open container with care  
: S3637: Wear suitable protective clothing and gloves

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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 user's 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:

|                     |   |                                                                |
|---------------------|---|----------------------------------------------------------------|
| <b>Product Name</b> | : | SEALEX PU, part B                                              |
| <b>HS CODE</b>      | : | <b>32099090</b>                                                |
| <b>Application</b>  | : | Water Based Clear Polyurethane Sealer                          |
| <b>Manufacturer</b> | : | MATEX CONSTRUCTION CHEMICALS<br>MANUFACTURING CO. L.L.C.       |
| <b>Address</b>      | : | P.O. Box 29585                                                 |
| <b>Telephone</b>    | : | +971 4 3334140                                                 |
| <b>Fax</b>          | : | +971 4 3334115                                                 |
| <b>Email</b>        | : | <a href="mailto:info@matex.ae">info@matex.ae</a>               |
| <b>Website</b>      | : | <a href="http://www.matex-global.com">www.matex-global.com</a> |

## 2. HAZARDS IDENTIFICATION:

### 2.1 Classification of the substance or mixture

EC Regulation criteria 1272/2008 (CLP):

Harmful by inhalation  
Causes serious eye irritation  
May cause respiratory irritation  
May cause sensitization by skin contact

### 2.2 Label Elements:



Signal Word: Warning

Hazard statements

|      |   |                                     |
|------|---|-------------------------------------|
| H332 | : | Harmful if inhaled                  |
| H317 | : | May cause an allergic skin reaction |
| H319 | : | Cause serious eye irritation        |
| H335 | : | May cause respiratory irritation    |

Precautionary Statements

|                |   |                                                                                                   |
|----------------|---|---------------------------------------------------------------------------------------------------|
| P210           | : | Keep away from heat, hot surfaces, sparks, open flames and other<br>Ignition sources – no smoking |
| P233           | : | Keep container tightly closed                                                                     |
| P261           | : | Avoid breathing dust/fume/gas/mist/vapours/spray                                                  |
| P280           | : | Wear protective gloves/protective clothing/eye protection/face<br>protection                      |
| P281           | : | Use personal protective equipment as required                                                     |
| P303+P361+P353 | : | If on skin (or hair): remove/take off immediately all contaminated                                |

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P333+P313 : Clothing. Rinse skin with water/shower.  
P337+P313 : If skin irritation or rash occurs: get medical advice /attention  
P370+P378 : If eye irritation persists: get medical advice/attention  
P403+P235 : In case of fire, use powder or CO<sub>2</sub> for extinction  
P501 : Store in well-ventilated place. Keep cool  
: Dispose of contents/container in accordance with applicable Regulations

Special Provisions : EUH204 contains isocyanate: may produce an allergic reaction  
Contains : Hexamethylene Diisocyanate

### 3. COMPOSITION / INFORMATION ON INGREDIENTS:

| Ingredients              | % Composition | CAS No.     |
|--------------------------|---------------|-------------|
| Aliphatic Polyisocyanate | 100%          | 160994-68-3 |

### 4. FIRST AID MEASURES:

Eye contact : Rinse immediately with plenty of water with eyelids open for a sufficient amount of time. Get prompt medical attention

Skin contact : Remove contaminated clothes immediately and dispose off safely. Wash affected area thoroughly with soap & plenty of water. If irritation occurs, obtain medical attention.

Inhalation : Immediately moved the person to fresh air. If breathing is irregular or stopped administer artificial respiration. Promptly seek medical attention

Ingestion : Do not induce vomiting. Obtain medical attention.

### 5. FIRE FIGHTING MEASURES:

Special Hazards Arising from the Substance or mixture : Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen, isocyanate vapors and traces of hydrogen cyanide and heavy smoke. Do not inhale combustion gases in case of fire

Special protective precautions And Equipment : Use suitable breathing apparatus and protective clothing resistant to fire.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

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Suitable extinguishing media : Fire extinguishing powder, foam or CO<sub>2</sub>. Use foam and water jets only in case of extensive fire outbreak.

## 6. ACCIDENTAL RELEASE MEASURES:

Personal precautions : Wear appropriate personal protection and ensure adequate ventilation. Do not inhale vapors. Use appropriate respiratory protection. Eliminate all sources of ignition in vicinity of spill. No smoking in area. Keep unnecessary and unprotected personnel from entering the area.

After spillage/leakage : Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations.

Environmental precautions : Do not discharge product into drains. If product contaminates bodies of water or sewages, inform appropriate authorities in accordance with local regulations.

## 7. HANDLING AND STORAGE:

Precautions for Safe Handling : Avoid contact with skin and eyes, inhalation of vapours and mists. Do not use empty containers before they have been cleaned. Keep away from heat, sparks and flame. No smoking, open flames or sources of ignition in handling and storage areas. Preparation may charge electrostatically, always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Do not eat or drink during work.

Protection against fire & explosion : Avoid use in confined spaces and source of ignition. NO SMOKING. Vapors are heavier than air and may spread along floors. Ignition and/or flash back may occur. Keep away from heat, light and electrostatic charges.

Conditions for safe storage : Keep container tightly closed. Store away from direct sunlight. Never use pressure to empty container. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS:

Occupational Exposure limits:

Hexamethylene Diisocyanate:

EU-TWA: 0.034 mg/m<sup>3</sup>, 0.005 ppm

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OEL-TWA: 0.035 mg/m<sup>3</sup>, 0.005 ppm-STEL: 0.07 mg/m<sup>3</sup>, 0.01 ppm

ACGIH-TWA (8h): 0.005 ppm – notes: URT irr, resp sens

DNEL Exposure Limit Values:

Hexamethylene Diisocyanate

Worker industry: 0.07 mg/m<sup>3</sup> – exposure: human inhalation – frequency: short term,  
Systematic effects – endpoint: respiratory tract irritation

Worker industry: 0.07 mg/m<sup>3</sup> – exposure: human inhalation – frequency: short term, local  
Effects – endpoint: respiratory tract irritation

PNEC Exposure limit values:

Polyhexamethylene Diisocyanate

Marine water 0.0127 mg/l

Freshwater 0.127 mg/l

Freshwater sediments 266700 mg/kg

Intermittent release 1.27 mg/kg

Soil (agricultural) 53200 mg/kg

Personal Protective equipment

|                        |   |                                                                                                                                                                                                                      |
|------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Respiratory Protection | : | It is recommended to wear a mask with air supply or a mask with combination filter A2-P2 for short term jobs. It is inadvisable to use the product for those with cases of hypersensitivity of the respiratory tract |
| Eye protection         | : | Safety goggles. Do not use eye lens                                                                                                                                                                                  |
| Skin protection        | : | Use suitable protective clothing                                                                                                                                                                                     |
| Hand Protection        | : | Use protective gloves that provides comprehensive protection                                                                                                                                                         |
| Industrial hygiene     | : | Wash hands before breaks and after finishing work. Do not eat, drink or smoke at workplace.                                                                                                                          |

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

|                               |   |                    |
|-------------------------------|---|--------------------|
| Form                          | : | Liquid             |
| Color                         | : | clear              |
| Odour                         | : | Solvent like       |
| Boiling point, °C             | : | N/A                |
| Melting point, °C             | : | N/A                |
| Flash point, °C               | : | No data available  |
| Autoflammability, °C          | : | NA                 |
| Explosion Limits              | : |                    |
| Lower                         | : | NA                 |
| Upper                         | : | NA                 |
| Density g/cc                  | : | 1.10 ± 0.03 kg/lit |
| Viscosity @25-30°C, cps       | : | 50-200             |
| Vapour Pressure, KPa at 20 °C | : | not determined     |
| Ph value                      | : | N.A.               |

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## 10. STABILITY AND REACTIVITY:

Chemical Stability : Stable under recommended storage & handling.  
Materials to avoid : Keep away from oxidizing agents, strong alkaline and strong acids in order to avoid exothermic reactions with amines and alcohols. In contact with water (moisture CO<sub>2</sub> is formed which leads to an excess pressure in closed containers.

## 11. TOXICOLOGICAL INFORMATION:

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs. It may produce inflammatory reactions on inhalation.

## 12. ECOLOGICAL INFORMATION:

Ecological effect information : Do not empty into drains and sewers. Large  
Impairment volume may penetrate soil and contaminate ground water.

## 13. DISPOSAL CONSIDERATIONS:

Disposal : Any disposal practices must be in compliance with all national and local laws governing hazardous waste. Do not dump into sewers, on the ground, or into any body of water. Contaminated packaging must be emptied of all residues and following appropriate cleaning, may be sent to a recycling plant.

## 14. TRANSPORT INFORMATION:

UN No. : Not classified as dangerous in the meaning of transport regulations

IMO Class : NA  
Packing Group : NA  
Marine Pollutant : NA  
IATE/ICAO Class : NA  
RID/ADR Class : NA  
Other information : none

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## 15. REGULATORY INFORMATION:

### Hazard statements

|      |                                       |
|------|---------------------------------------|
| H302 | : Harmful if swallowed                |
| H332 | : Harmful if inhaled                  |
| H317 | : May cause an allergic skin reaction |
| H319 | : Causes serious eye irritation       |
| H335 | : May cause respiratory irritation    |

### Precautionary Statements

|                |                                                                                                              |
|----------------|--------------------------------------------------------------------------------------------------------------|
| P210           | : Keep away from heat, hot source, sparks, open flames and other Ignition sources – No smoking               |
| P233           | : Keep container tightly closed                                                                              |
| P261           | : Avoid breathing dust/fume/gas/mist/vapors/spray                                                            |
| P281           | : Use personal protective equipment as required                                                              |
| P303+P361+P353 | : If on skin (or hair): remove/take off immediately all contaminated Clothing. Rinse skin with water/shower. |
| P333+P313      | : If skin irritation or rash occurs: get medical advice /attention                                           |
| P370+P378      | : In case of fire, use powder or CO <sub>2</sub> for extinction                                              |
| P403+P235      | : Store in well-ventilated place. Keep cool                                                                  |
| P501           | : Dispose of contents/container in accordance with applicable Regulations                                    |

## 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**.

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