

# ShaliUrethane PC 1000

2K Polyurethane Protective Tough Coating



## Material Safety Data Sheet

### Identification of the substance/preparation and of the company/undertaking

|                              |  |
|------------------------------|--|
| <b>Trade Name</b>            | <b>ShaliUrethane PC 1000</b>   |
| <b>Intended Use</b>          | An ideal protective coating.   |
| <b>Company Name</b>          | <b>STP Limited</b><br>707,Chiranjiv Tower ,<br>43 Nehru Place ,New Delhi 110019, India<br>Phone : +91 11 46561359<br>Fax : +91 11 46561358 |
| <b>Emergency Information</b> | Phone : +91 81302 98888<br>Fax : +91 11 46561358   |

### [ 1 ] Composition / information on ingredients

| <b>Comp- A</b>                       | <b>% by weight</b> | <b>CAS No</b> |
|--------------------------------------|--------------------|---------------|
| Castor oil based Binder              | 40 - 60 %          | 8001-79-4     |
| Methyl Dipheny<br>Diisocyanate       | 0 – 2 %            | 101-68-8      |
| Calcium carbonate                    | 20 - 30 %          | 1317-65-3     |
| Pigments                             | 03 – 05 %          | Trade secrete |
| additives                            | 05 – 10 %          | Trade secrete |
| <b>Comp - B</b>                      |                    |               |
| Polymeric Diphenyl methane           | >55                | 016-87-9      |
| Methylene Diphenyl –<br>diisocyanate | >45                | 101-68-8      |

### [2] Hazards Identification

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | May cause irritation to the respiratory tract, with symptoms of Bronchitis. |
| <b>Ingestion</b>    | May cause abdominal cramps, nausea, vomiting, diarrhea                      |
| <b>Skin Contact</b> | Slightly irritating   |
| <b>Eye Contact</b>  | May cause irritation  |

### [3] First-aid Measures

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Allow the victim to rest in a well ventilated area. Seek a medical attention  |
| <b>Ingestion</b>    | Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.      |
| <b>Eye Contact</b>  | Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek a medical attention.                             |
| <b>Skin Contact</b> | In case of contact, take off all contaminated clothes immediately, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Seek a medical attention |

### [4] Fire-fighting Measures

|   |   |
|---|---|
| <b>Extinguishing Media</b>                  | CO <sub>2</sub> , Foam, extinguishing powder, in case of larger fires, water spray should be used.  |
| <b>Special Fire Fighting procedures</b>     | Fire fighter must wear self contained breathing apparatus.  |
| <b>Unusual Fire &amp; Explosion Hazards</b> | High volume water jet<br>Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes.<br>Firemen must wear self-contained breathing apparatus.<br>Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters |

### [5] Accidental Release Measures / Spills and Leaks

|  |  |
|--|--|
| <b>Steps to be taken in case material is released or spilled</b> | Do not allow to escape into waterways, wastewater or soil. |
|--|--|

### [6] Handling & Storage

|                                      |  |
|--------------------------------------|--|
| <b>Precautions for safe handling</b> | Keep in tightly closed container in cool dry area from all sources of ignition                             |
| <b>Other precautions</b>             | Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines. |

### [7] Exposure Controls / Personal Protection

|                               |   |
|-------------------------------|---|
| Engineering controls          | Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use  |
| Personal Protective Equipment | Protective Gloves, face protection, protective clothing.  |
| Respiratory protection        | Respiratory protection required in insufficiently ventilated working areas and during spraying  |
| Glove type (AS2161)           | Suitable materials for safety gloves; DIN EN 374-3:   |
| Eye protection                | Wear safety glasses, which comply with local standards  |
| Clothing                      | Wear suitable Protective clothing   |
| Others                        | Use barrier creams to protect skin from contact with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals |

### [8] Ventilation

|                      |   |
|----------------------|---|
| <b>Local Exhaust</b> | Ensure adequate ventilation to comply with OEL. |
|----------------------|---|

### [9] Physical & Chemical Properties(mixed system)

|                                      |  |
|--------------------------------------|--|
| <b>Appearance</b>                    | Viscous coloured liquid                  |
| <b>Odour</b>                         | Characteristic Odour                     |
| <b>Ignition temperature</b>          | : ca. 370 °C                             |
| <b>Initial Boiling Point</b>         | : ca 313 °C                              |
| <b>Specific Gravity</b>              | 1.40 to 1.50 approx.                     |
| <b>Vapour pressure(kPa at 20°C)</b>  | ca. 12 hPa at 20 °C                      |
| <b>Melting Point /Freezing point</b> | -18 °C                                   |
| <b>Water Solubility</b>              | Immiscible                               |
| <b>Flash Point °C</b>                | >113 °C DIN 53213                        |
| <b>n-butyl acetate upper</b>         | 7,5 %(V) / lower: 1,2 %(V)               |
| <b>Viscosity, dynamic</b>            | 2000- 2500 cps,23 °C DIN EN ISO 3219/A.3 |

### [10] Stability & Reactivity

|   |  |
|---|--|
| <b>Stability</b>                          | Stable under normal conditions   |
| <b>Conditions to avoid</b>                | Temperatures below 0°C and above 50 ° C.                               |
| <b>Incompatibility/Materials to avoid</b> | Oxidizing agents, strong acids, alkalis, Halogens                      |
| <b>Hazardous Decomposition Products</b>   | No hazardous decomposition products when stored and handled correctly. |
| <b>Hazardous Polymerization</b>           | Will not occur   |

### [11] Toxicological Information

The following toxicological assessment is based on knowledge of the toxicity of the product's components. Oral LD50, rat >5g/kg

#### Health Effects

|               |   |
|---------------|---|
| On Eyes       | : May cause transient irritation.   |
| On Skin       | : Unlikely to cause harm on brief or occasional contact.                                  |
| By Inhalation | : Low volatility makes inhalation unlikely at ambient temperatures.                       |
| By Ingestion  | : Low order of acute toxicity. May cause irritation of mouth, throat and digestive tract. |
| Chronic       | : None known  |

### [12] Ecological Information

|                               |   |
|-------------------------------|---|
| Environmental Assessment      | : When used and disposed of as intended, no adverse environmental effects are foreseen. |
| Mobility                      | : Mobile liquid. Insoluble in water.  |
| Persistence and Degradability | : Expected to be not readily biodegradable.   |
| Bio-accumulative Potential    | : Not expected to be bio-accumulative.  |
| Ecotoxicity                   | : Expected to be ecotoxic to fish/daphnia/algae   |

### [13] Disposal Consideration

Dispose in accordance with all local and governmental regulations

|                           |   |
|---------------------------|---|
| Unused Product            | : Dispose of through an authorized waste contractor to a licensed site. |
| Used/Contaminated Product | : As for Unused product.  |
| Packaging                 | : May be steam cleaned and recycled.                                    |

#### [14] Transport Information

This product is NOT classified as dangerous for transport

|                              |                       |
|------------------------------|-----------------------|
| <b>UN number</b>             | 1866                  |
| <b>Dangerous goods class</b> | 3                     |
| <b>Subsidiary risk</b>       | 30                    |
| <b>EPG card</b>              | None Allocated        |
| <b>Shipping name</b>         | ShaliUrethane PC 1000 |
| <b>Packing group</b>         | III                   |
| <b>Poisons schedule</b>      | S6                    |
| <b>Hazchem code</b>          | 3                     |

#### [15] Regulatory Information (Risk & Safety Phrases)

|                         |   |
|-------------------------|---|
| <b>Risk Phrase</b>      | R36/38                                  |
| <b>Safety Phrase</b>    | S23                                     |
| <b>Poisons Schedule</b> | S6                                      |
| <b>Hazard Category</b>  | Irritant ,Dangerous for the environment |
| <b>Classification</b>   | 3                                       |

#### [16] Other Health & Safety Information

Recommended uses and restrictions: If this product is re-distributed and re-formulated for sale, details of its hazards and recommended methods for safe handling must be passed to customers. Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before this product is used.

#### Note

The information contained in this Safety Data Sheet does not constitute the users own assessment of workplace risk as required by other Health & Safety Legislation (e.g. the Health and Safety at Work Act, 1974; the control of Substances Hazardous to Health Regulations, 1988). The data given here is based on current knowledge and experience. The purpose of this data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.

**\*\*END OF MSDS \*\***      Date of Revision: *1<sup>st</sup> December, 2023*