

# ShaliSeal<sup>®</sup> PU PG 2K

2K Pouring Grade Polyurethane Sealant



STP Limited

## Material Safety Data Sheet

### Identification of the Substance / Preparation and of the Company / Undertaking

<b>Trade Name</b>	ShaliSeal <sup>®</sup> PU PG 2K
<b>Intended Use</b>	Structural joint sealing compound
<b>Product Code</b>	SSPU96PG4
<b>Company Name</b>	<b>STP Limited</b> 707 Chiranjiv Tower 43 Nehru Place, New Delhi 110 019, India Phone : +91 11 46561359 Fax : +91 11 46561358
<b>Emergency Information</b>	Phone : +91 81302 98888 Fax : +91 11 4656 1358

### [ 1 ] Composition / information on ingredients

Ingredients	% by weight*	CAS No
<b>Component A</b>		
Polyester Polyol Resin	20-40	69899-19-0
Castor oil	4 – 10	8001-79-4
Additives	1 –10	Trade secret
Calcium Carbonate	20-40	471-34-1
Carbon Black	0.1-0.5	1333-86-4
<b>Component B</b>		
Aromatic Polyisocyanate prepolymer	1-4	Trade Secret

\*The specific chemical identity and (or) exact percentage of component(s) have been withheld as trade secret

### [2] Hazards Identification

Label Elements	Danger
<b>Inhalation</b>	May cause of 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 collar, tie, belt or waistband. Get medical attention if symptoms appears
<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 medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Seek medical attention.

### [4] Fire-fighting Measures

<b>Suitable 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>	Wear protective clothing and breathing apparatus.
<b>Unusual Fire &amp; Explosion Hazards</b>	Unknown

### [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>Storage</b>	Store in closed packing between 5°C and 38°C away from direct sunlight and other sources of heat.

### [7] Exposure Controls / Personal Protection

<b>Engineering controls</b>	Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use
<b>Personal Protective Equipment</b>	Protective Gloves, face protection, protective clothing.
<b>Respiratory protection</b>	Respiratory protection required in insufficiently ventilated working areas and during spraying



<b>Glove type (AS2161)</b>	Suitable materials for safety gloves; DINEN 374-3:
<b>Eye protection</b>	Wear safety glasses, which comply with local standards
<b>Clothing</b>	Wear suitable Protective clothing
<b>Others</b>	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

<b>Appearance</b>	Component A: Grey viscous liquid Component B: Yellowish/Reddish Brown liquid
<b>Odour</b>	Slight musty odour
<b>Auto ignition temperature</b>	315
<b>Boiling Point at atmospheric pressure</b>	> 150
<b>Specific Gravity</b>	1.45±0.05
<b>Vapour pressure (20°C)</b>	980 Pa
<b>Melting Point /Freezing point</b>	-18 °C
<b>Water Solubility</b>	Component A is insoluble but Component B reacts with water to form CO <sub>2</sub> bubbles.
<b>Flash Point</b>	>200 °C
<b>VOC Content, % by weight</b>	0-2
<b>Upper Explosive Limits</b>	Unknown

#### [10] Stability & Reactivity

<b>Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	Temperatures below 5 °C and above 45 °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, >10,000 mg/kg (oral rat)

#### 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. Soluble in water  
**Persistence and Degradability** : Expected to be not readily biodegradable  
**Bioaccumulative Potential** : Not expected to be Bioaccumulative  
**Ecotoxicity** : Expected to be ecotoxic to fish / daphnia / algae

### [13] Disposal Consideration

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Incineration is the preferred method. Empty containers must be handled with care due to product residue. Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. If no other disposal options are available, waste product that has been completely cured or polymerized may be placed in a landfill properly designed for industrial waste.

### [14] Transport Information

Transport of dangerous goods by land, sea and air

<b>UN Number</b>	UN 2206
<b>Dangerous Goods Class</b>	6.1
<b>Shipping Name</b>	Isocyanate Solutions, n.o.s ( Isocyanate)
<b>Packing Group</b>	III

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

<b>R-phrases</b>	R42/43, R 52/53
<b>S-phrases</b>	2, 23, 36/37, 45
<b>Poisons Schedule</b>	S6
<b>Hazard Category</b>	Irritant
<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: 24<sup>th</sup> January 2022***