

# ShaliSeal PU

Moisture Cured Polyurethane Elastomeric Joint Sealant



## Material Safety Data Sheet

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

<b>Trade Name</b>	<b>ShaliSeal PU</b> (Synonyms: Single component Polyurethane base Gun grade Sealant)
<b>Intended Use</b>	Fixing Waterproofing Felt
<b>Company Name</b>	<b>STP Limited</b> 43 Nehru Place 707 Chiranjiv Towers, New Delhi 110019, India Phone : +91 11 4656 1359 Fax : +91 11 46561358
<b>Emergency Information</b>	Phone : +91 81302 98888 Fax : +91 11 4656 1358

### [ 1 ] Composition / information on ingredients

Ingredient	CAS Number	Concentration (%)	Exposure Limits
Polyvinyl chloride	9002-86-2	20 - 50	Substance with community work
Diiron trioxide	1309-37-1	< 1.5	Substance with community work
TiO <sub>2</sub>	13463-67-7	< 2.5	Substance with community work
Carbon black	1333-86-4	< 1.0	Substance with community work
Urethane Polymer	NA	20 - 40	Substance with community work
Xylene, mixture of Isomer	1330-20-7	2 - 5	Flammable liquid
Ethylbenzene	100-41-4	< 1.0	Flammable liquid

### [2] Hazards Identification

<b>Inhalation</b>	Excessive inhalation can cause nausea, headache, intoxication and Unconsciousness.
<b>Ingestion</b>	May cause irritation to the digestive tract and mouth causing vomiting and abdominal pain
<b>Skin Contact</b>	Prolonged contact will affect and dry the skin and may lead to irritation and dermatitis.

<b>Eye Contact</b>	Will cause intense smarting and irritation
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**[3] First-aid Measures**

<b>Inhalation</b>	Remove to fresh air. Give oxygen / artificial respiration if needed. Consult Doctor.
<b>Ingestion</b>	Do not induce vomiting. Give plenty of milk or water. Consult Doctor.
<b>Eye Contact</b>	Flush with clean water for minimum 15 minutes. Consult Doctor.
<b>Skin Contact</b>	Remove contaminated clothing. Apply proprietary skin cleaner, then wash with copious soap and water. Apply skin cream.

**[4] Fire-fighting Measures**

<b>Extinguishing Media</b>	Water fog, foam, carbon dioxide, dry chemical
<b>Special Fire Fighting procedures</b>	Not Applicable
<b>Unusual Fire &amp; Explosion Hazards</b>	Firefighters should wear self-contained breathing apparatus and full protective equipment. Normal firefighting procedures may be used. Skin contact and/or breathing of vapours should be avoided.

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

<b>Containment Techniques:</b>	For small/large spills, use normal water and collect for later disposal.
<b>Clean-up Procedures &amp; equipment:</b>	Wear protective equipment during clean up. Ventilate area of spill or leak. Collect material for later disposal. After collection of material, flush
<b>Evacuation Procedure:</b>	Isolate the hazard and deny entry to unnecessary and unprotected
<b>Special Instructions:</b>	Remove all contaminated clothing to prevent further absorption. Decontaminate affected personnel using the first aid procedures in Section 4. Leather shoes that have been
<b>Special Reporting Requirements:</b>	Notify appropriate authorities if required by regulation.

**[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.
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### [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>	This product is not classified as hazardous, so PPE is not normally essential. However, it is generally recommended that contact with any chemical be kept to a minimum. Following is a guide to suggested PPE that may be utilized for handling this product.
<b>Respiratory protection</b>	Not normally applicable. Avoid mists.
<b>Glove type (AS2161)</b>	Protective gloves or suitable barrier cream recommended
<b>Eye protection</b>	Wear safety glasses, which comply with local standards
<b>Clothing</b>	N/A
<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>Ventilation:</b>	All operations should be conducted in well-ventilated conditions.
<b>Other Engineering Controls:</b>	All available engineering controls to minimize risk should be used.

### [9] Physical & Chemical Properties

<b>Molecular Formula:</b>	Mixture
<b>Appearance, State &amp; Odour (ambient temp.)</b>	Pasty form, Various colour, and Light odour
<b>Self-ignition temperature</b>	> 200 °C
<b>Solubility in Water:</b>	Insoluble
<b>Danger of explosion</b>	Product is not explosive
<b>Flash Point</b>	> 55 °C
<b>Density, @ 30 °C</b>	1.20 ± 0.20

### [10] Stability & Reactivity

<b>Stability</b>	Stable under normal conditions
<b>Conditions to avoid</b>	High temperatures
<b>Incompatibility/Materials to avoid</b>	Oxidising agents, strong acids, alkalis, Halogens
<b>Hazardous Decomposition Products</b>	Combustion produces toxic gases
<b>Hazardous Polymerisation</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.

Bioaccumulative Potential : Not expected to be bioaccumulative.

Ecotoxicity : Expected to be ecotoxic to fish/daphnia/algae

### [13] Disposal Consideration

<b>Classification of Waste as manufactured:</b>	Hazardous. Note: Generator is responsible for proper waste characterization.
<b>Waste Disposal:</b>	Dispose of this material in accordance with standard practice for disposal of potentially hazardous materials as required by applicable by regulations. Note that disposal regulations may also apply to empty containers and related equipment.

#### [14] Transport Information

<b>UN number</b>	None Allocated
<b>Dangerous goods class</b>	None Allocated
<b>Subsidiary risk</b>	None Allocated
<b>EPG card</b>	None Allocated
<b>Shipping name</b>	None Allocated
<b>Packing group</b>	None Allocated
<b>Poisons schedule</b>	None Allocated
<b>Hazchem code</b>	None Allocated

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

<b>Risk Phrase</b>	N/A
<b>Safety Phrase</b>	N/A
<b>Poisons Schedule</b>	N/A
<b>Hazard Category</b>	None
<b>Classification</b>	Non-hazardous

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

<b>Precautionary Statement:</b>	Please note that the information contained herein is furnished without warranty of any kind. Users should consider these data as a supplement to other information gathered by and make independent judgments of suitability of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.
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#### 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.