


ShaliSeal® PU PG 2K

2K Pouring Grade Polyurethane Sealant

STP Limited

Material Safety Data Sheet

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

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

[1] Composition / information on ingredients

Ingredients	% by weight	CAS No
Component A		
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
Pigment Paste	4-10 *	NA
Component 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**  
Inhalation	May cause of irritation to the respiratory tract, with symptoms of Bronchitis.
Ingestion	May cause abdominal cramps, nausea, vomiting, diarrhea
Skin Contact	Slightly irritating
Eye Contact	May cause irritation


[3] First-aid Measures

Inhalation	Allow the victim to rest in a well ventilated area. Seek a medical attention
Ingestion	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
Eye Contact	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.
Skin Contact	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

Suitable Extinguishing Media	CO_2, Foam, extinguishing powder, in case of larger fires, water spray should be used.
Special Fire Fighting procedures	Wear protective clothing and breathing apparatus.
Unusual Fire & Explosion Hazards	Unknown

[5] Accidental Release Measures / Spills and Leaks

Steps to be taken in case material is released or spilled	Do not allow to escape into waterways, wastewater or soil.

[6] Handling & Storage

Precautions for safe handling	Keep in tightly closed container in cool, dry area from all sources of ignition.
Storage	Store in closed packing between 5°C and 38°C away from direct sunlight and other sources of heat.

[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; DINEN 374-3:
Eye protection	Wear safety glasses, which comply withlocal 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

Local Exhaust	Ensure adequate ventilation to comply with OEL

[9] Physical & Chemical Properties

Appearance	Component A: Grey viscous liquid Component B: Yellowish/Reddish Brown liquid
Odour	Slight musty odour
Auto ignition temperature	315
Boiling Point at atmospheric pressure	> 150
Specific Gravity	1.45±0.05
Vapour pressure (20°C)	980 Pa
Melting Point /Freezing point	-18 °C
Water Solubility	Component A is insoluble but Component B reacts with water to form CO_2 bubbles.
Flash Point	>200 °C
VOC Content, % by weight	0-2
Upper Explosive Limits	Unknown

[10] Stability & Reactivity

Stability	Stable under normal conditions.
Conditions to Avoid	Temperatures below 0 ^{O}C and above 45 ^{O}C
Incompatibility / Materials to avoid	Oxidizing agents, strong acids, alkalis, halogens.
Hazardous Decomposition Products	No hazardous decomposition products when stored and handled correctly.
Hazardous Polymerization	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

UN Number	None Allocated
Dangerous Goods Class	None Allocated
Subsidiary Risk	None Allocated
EPG Card	None Allocated
Shipping Name	None Allocated
Packing Group	None Allocated
Poisons Schedule	None Allocated
Hazchem Code	None Allocated

[15] Regulatory Information (Risk & Safety Phrases)

R-phrases	R42/43, R 52/53
S-phrases	2, 23, 36/37, 45
Poisons Schedule	S6
Hazard Category	Irritant
Classification	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 **(24012022)**