ShaliSeal PS GG

Two Component Polysulphide Gun Grade Sealant.

STP Limited

Material Safety Data Sheet

Identification of the substance/preparation and the company/undertaking

Trade Name	**ShaliSeal PS GG** **(Synonym**s: Two component Polysulfide base Gun grade Non sagging Sealant with MnO_2 base curing agent.)
Intended Use	Sealing Compound for vertical application in Concrete Road, other structures of Concrete, Aluminium and Glass Substrate.
Company Name	**STP Limited** 43 Nehru Place 707 Chiranjiv Towers, New Delhi 100019 Phone : +91 11 46561359 Fax : +91 11 46561358
Emergency Information	Phone : +91 81302 98888 Fax : +91 11 46561358

[1] Composition / information on ingredients

Ingredient	CAS Number	Concentration (%)	Exposure Limits	
			OSHA PEL	ACGIH TLV
Marceptane base Polysulphide Polymer	NA	18-20	Not established	--
Inert Filler	1317-65-3	50-55	Not established	--
TiO2	13463-67-7	2-5	--	--
Additive	NA	5-8	--	--
Plasticizer	85535-85-9	18-20	--	--

[2] Hazards Identification

Inhalation	May cause 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 a collar, tie, belt or waistband. Get medical attention if symptoms appear.
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 a 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 a medical attention

[4] Fire-fighting Measures

Extinguishing Media	Water fog, foam, carbon di-oxide, dry chemical
Special Fire Fighting procedures	Not Applicable
Unusual Fire & Explosion Hazards	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

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

[6] Handling & Storage

Precautions for safe handling	Keep in tightly closed container in cool dry area from all sources of ignition
Other precautions	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	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 utilised for handling this product.
Respiratory protection	Not normally applicable. Avoid mists.
Glove type (AS2161)	Protective gloves or suitable barrier cream recommended
Eye protection	Wear safety glasses, which comply with local standards
Clothing	N/A
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

Ventilation:	All operations should be conducted in well-ventilated conditions. Local exhaust ventilation should be provided.
Other Engineering Controls:	All available engineering controls to minimize risk should be used.

[9] Physical & Chemical Properties

Molecular Formula:	Mixture
Appearance, State & Odour (ambient temp.)	Gray viscous material with characteristic odor.
Solid Percentage	> 99%
Solubility in Water:	Insoluble
Specific Gravity:	1.70±0.05 @ 23°C

[10] Stability & Reactivity

Stability	Stable under normal conditions
Conditions to avoid	Temperatures below 0^{o}C and above 50^{o}C.
Incompatibility/Materials to avoid	Oxidising agents, strong acids, alkalis, Halogens
Hazardous Decomposition Products	Thermal decomposition:- Carbon Di-oxide compounds
Hazardous Polymerisation	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

Classification of Waste as manufactured:	Hazardous. Note: Generator is responsible for proper waste characterization.
Waste Disposal:	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 equipments.

[14] Transport Information

This product is NOT classified as dangerous for transport

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)

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

[16] Other Health & Safety Information

Precautionary Statement:	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.

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.