

# ShaliPlast Shortcrete L

Liquid Set Accelerating And Shotcreting Admixture



STP Limited

## Material Safety Data Sheet

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

<b>Trade Name</b>	<b>ShaliPlast Shortcrete L</b>
<b>Intended Use</b>	Concrete Admixture
<b>Company Name</b>	<b>STP Limited</b> 707 Chiranjiv Tower 43 Nehru Place New Delhi 110019 Phone : +91 11 4656 1359 Fax : +91 11 4656 1358
<b>Emergency Information</b>	Phone : +91 81302 98888 Fax : +91 11 4656 1358

### [ 1 ] Composition / information on ingredients

Component	%	CAS No
<b>Sodium silicate</b>	98 – 99%	1344-09-8
<b>Additives</b>	1 – 2 %	Trade secret

### [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, 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>	None, Product will not burn
<b>Special Fire Fighting procedures</b>	None
<b>Unusual Fire &amp; Explosion Hazards</b>	None

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

<b>Steps to be taken in case material is released or spilled</b>	Dilute with water and absorb with mop or dry material and place in an appropriate waste disposal container.
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#### [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	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

Local Exhaust	Ensure adequate ventilation to comply with OEL.
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#### [9] Physical & Chemical Properties

Appearance	colourless liquid
Odour	Slight/faint
pH	10 -11
Boiling Point/Boiling range °C	>100 ° C
Specific Gravity	1.30 – 1.40
Vapour pressure(kPa at 20°C)	18
Melting Point /Freezing point	N/A
Water Solubility	soluble
Flash Point °C	N/A
Lower Explosive limits	N/A
Upper Explosive limits	N/A

#### [10] Stability & Reactivity

Stability	Stable under normal conditions
Conditions to avoid	Temperatures below 0°C and above 50 ° C.
Incompatibility/Materials to avoid	Oxidising agents, strong acids, alkalis, Halogens
Hazardous Decomposition Products	Thermal decomposition:- Sulphur 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. 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 in accordance with all local and governmental regulations  
 Unused Product : Dispose of through an authorised 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>	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

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.