

# ShaliPlast PCE 400

High Performance Poly-Carboxylated Ether Based Superplasticiser



## Material Safety Data Sheet

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

<b>Trade Name</b>	<b>ShaliPlast PCE 400</b>
<b>Intended Use</b>	Concrete Admixture
<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

Component	%	CAS No
Polycarboxylate ether	60 – 70%	Trade secret
Sodium Gluconate	4 – 6%	527-07-01
Additives	1 – 2%	Trade secret
Water	30 – 40%	7732-18-5

### [2] Hazards Identification

<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
	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>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

<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>	Nor 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 standard.
<b>Clothing</b>	N/A
<b>Others</b>	Use barrier cream 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.
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### [8] Ventilation

<b>Local Exhaust</b>	Ensure adequate ventilation to comply with OEL
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### [9] Physical & Chemical Properties

<b>Appearance</b>	Light brown colour liquid
<b>Odour</b>	Slight / faint
<b>pH</b>	6 – 8
<b>Boiling Point / Boiling range °C</b>	> 100
<b>Specific Gravity</b>	1.10 ± 0.04
<b>Vapour pressure (kPa at 20 °C)</b>	2.3 (water)
<b>Melting Point / Freezing Point</b>	N/A
<b>Water Solubility</b>	Soluble
<b>Flash Point °C</b>	N/A
<b>Lower Explosive Limits</b>	N/A
<b>Upper Explosive Limits</b>	N/A

### [10] Stability & Reactivity

<b>Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	Temperatures below 0 °C and above 50 °C
<b>Incompatibility / Materials to avoid</b>	Oxidising agents, strong acids, alkalis, halogens.
<b>Hazardous Decomposition Products</b>	Thermal decomposition – Sulphur compounds
<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. 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 authorized waste contractor to a licensed site.
Used / Contaminated Product	:	As for unused product
Packaging	:	May be steam cleaned and recycled.

### [14] Transport Information

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

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.