



ShaliPlast CI

Corrosion Inhibitor For Reinforcement Cement Concrete

STP Limited

Material Safety Data Sheet

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

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

[1] Composition / information on ingredients

Component	% by weight	CAS No
Sodium Ligno Sulphonate	10 - 15	8061-51-6
2-dimethylaminoethanol	1-5	108-01-0
Water	75 – 80	7732-18-5

[2] Hazards Identification

GHS Label Element	<p style="text-align: center;">Danger</p>
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	Use foam, powder. Prevent the effluent of fire-fighting measures from entering drains or waterways.
Special hazards arising from the substance	A fire will often produce a thick black smoke. In the event of a fire, the following may be formed : - carbon monoxide (CO) - carbon dioxide (CO ₂)
Advice for firefighters	Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

[5] Accidental Release Measures / Spills and Leaks

Steps to be taken in case material is released or spilled	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

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	Use personal protective equipment that is clean and has been properly maintained. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.



Respiratory protection	Avoid breathing vapours. If the ventilation is insufficient, wear appropriate breathing apparatus.
Hand Protection	Use suitable protective gloves that are resistant to chemical agents. Gloves must be selected according to the application and duration of use at the workstation.
Eye protection	Use eye protectors designed to protect against liquid splashes. In the event of high danger, protect the face with a face shield. Prescription glasses are not considered as protection.
Body Protection	Avoid skin contact. Wear suitable protective clothing and, in particular, an apron and boots. These items of clothing shall be maintained in good condition and cleaned after use.
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	Brown colour liquid
Odour	Slight/faint
pH	6-9
Boiling Point/Boiling range °C	100 ° C
Specific Gravity	1.06 ± 0.02
Oxidizing property	Does not meet the criteria for classification as oxidizing
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	Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.
Incompatibility/Materials to avoid	No data available
Hazardous Decomposition Products	The thermal decomposition may release/form : - carbon monoxide (CO) - carbon dioxide (CO ₂)
Possibility of Hazardous Polymerization	No data available



[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 : Harmful on contact with skin. May cause irreversible damage to the skin.

By Inhalation: Harmful by inhalation.

By Ingestion: Harmful if swallowed. May cause respiratory tract irritation.

Chronic : No data available.

[12] Ecological Information

Environmental Assessment : When used and disposed of as intended, no adverse environmental effects are foreseen.

Mobility in soil : No data available.

Persistence and Degradability: Expected to be not readily biodegradable.

Bioaccumulative Potential : No data available.

Ecotoxicity : Expected to be ecotoxic to fish and aquatic life.

[13] Disposal Consideration

Dispose in accordance with all local and governmental regulations

Waste : Dispose of through an authorized waste contractor to a licensed site. Do not contaminate the ground or water with waste, do not dispose of waste into the environment

Soiled Packaging : Empty container completely. Keep label(s) on container

[14] Transport Information

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

UN number	3082
Dangerous goods class	9
Subsidiary risk	30
EPG card	9C1
Shipping name	CORROSIVE LIQUID, FLAMMABLE, N.O.S
Packing group	II
Poisons schedule	No data available
Hazchem code	No data available



[15] Regulatory Information (Risk & Safety Phrases)

Risk Phrase	R36/38
Safety Phrase	S23
Poisons Schedule	S28
Hazard Category	Irritant, Dangerous to the environment
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

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