

ShaliFix BS

Cementitious Ready Mix Mortar for Setting of Preformed Block Sets

Material Safety Data Sheet

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

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|-----------------------|--|
| Trade Name | ShaliFix BS |
| Intended Use | Cementitious Ready mix mortar for setting of preformed block |
| Company Name | STP Limited 707 Chiranjiv Tower 43 Nehru Place, New Delhi 110019, India 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 | % | CAS No |
|--------------------|-------------|--------------|
| Potland cement | 35 - 37% | 65997-15-1 |
| Additives | 1 – 2 % | Trade secret |
| Crystalline silica | 60 – 62 % | 14808-60-7 |
| Cellulose fibre | 0.2 – 0.4 % | 9004-34-6 |

[2] Hazards Identification

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|--------------|---|
| 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

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| 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 |

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| | 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

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| Extinguishing Media | None, Product will not burn |
| Special Fire Fighting procedures | None |
| Unusual Fire & Explosion Hazards | None |

[5] Accidental Release Measures / Spills and Leaks

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| 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

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| 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

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| Engineering controls | Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use |
| Personal Protective Equipment | PPE is normally essential. Wear Sturdy boots that are impervious to eliminate foot and ankle exposure. Barrier creams should not be used in place of gloves. |
| Respiratory protection | Avoid mists. |
| Glove type (AS2161) | Protective gloves |
| Eye protection | Wear safety glasses, which comply with local standards |
| Clothing | N/A |
| Others | Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals |

[8] Ventilation

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

| | |
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| Appearance | Grey free flowing powder |
| Odour | No distinct odour |
| pH(in water) | 12 - 13 |
| Boiling Point/Boiling range °C | Not applicable |
| Mix density | Approx.1.70 |
| Vapour pressure(kPa at 20°C) | Not applicable |
| Melting Point /Freezing point | Not applicable |
| Water Solubility | soluble |
| Flash Point °C | N/A |
| Lower Explosive limits | N/A |
| Upper Explosive limits | N/A |

[10] Stability & Reactivity

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| Stability | Stable under normal conditions |
| Conditions to avoid | Unintentional contact with water |
| Incompatibility/Materials to avoid | Wet Dam It is alkaline .As such it is compatible with acids, ammonium salts and phosphorous. |
| Hazardous Decomposition Products | Will not spontaneously occur |
| 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 : Dispose of bags in an approved landfill or incinerator.

[14] Transport Information

This product is NOT classified as dangerous for transport

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|------------------------------|----------------|
| 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)

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| Risk Phrase | R36/38 Irritating to Eyes and skin |
| Safety Phrase | S23 Do not breath gas/fumes/vapor/spray |
| 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.

