



SPR1000 SUPERPLASTICISER

MATERIAL SAFETY DATA SHEET

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Substance/preparation and company identification

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Product Name : Polycarboxylate Superplasticizer

CAS # : 62601-60-9

Synonym : Polycarboxylate ether-based Superplasticizers, PCE

Composition name: CAS# % BY WEIGHT

Solid Content : > 98%

First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Skin Contact:

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Eye Contact:

In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Ingestion:

Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cup of milk or water.

Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media:

Use agent most appropriate to extinguish surrounding fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.



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Handling and Storage

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation.

Storage: Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry and well-ventilated area away from incompatible substances. Store protected from moisture.

Exposure Controls/Personal Protection

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment:

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN149 must be followed whenever workplace conditions warrant respirator use.

Physical and Chemical Properties

Physical state and appearance: Powder

Color: White

Odor: Slight odor

Chemical uses:

1. A recommended dosage is 0.2%-0.5% by the weight of cementitious materials. Actual dosages should be determined by testing.
2. This product is forbidden to be mixed with naphthalene sulphonate.
3. Compatibility test must be done when it is used together with other admixtures.

Stability and Reactivity Data

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, exposure to moist air or water.

Incompatible with Other Materials: Strong acid, strong oxidants.

Hazardous decomposition products: Nature of decomposition products not known.

Hazardous Polymerization: Will not occur.

Toxicological Information

RTECS#: Not available

LD50/LC50: Not available

Carcinogenicity: Has not been thoroughly investigated.

Other: Not available



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Ecological Information

Ecotoxicity :	Not available.
BOD5 and COD :	Not available.
Products of Biodegradation :	
Toxicity of the Products of Biodegradation :	Not available.
Special Remarks on the Products of Biodegradation :	Not available.

Disposal Considerations

Products considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local authority or advice. Empty containers must be decontaminated before returning for recycling.

Transport Information

Road and Rail Transport:

Not classified as a Dangerous Good.

Marine Transport:

Not classified as a Dangerous Good by the criteria of the International Maritime Dangerous Goods Code for transport by sea. NON-DANGEROUS GOODS.

Air Transport:

Not classified as Dangerous Goods by the criteria of the International Air Transport Association Dangerous Goods Regulations for transport by air. NON-DANGEROUS GOODS.

Regulatory information

Regulatory Information: Refer to the local, national and EU/international regulations.

Hazard Symbols: Not available

Risk Phrases: Not available

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

Other Information

- Any other intended applications should be discussed with the manufacturer.
- If you have any queries relating to this MSDS, its contents or any other product safety related questions, please write to the following e-mail address: war99@singnet.com.sg

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.