

MATERIAL SAFETY DATA SHEET

Version1.7

Date of last alteration:03/01/2025

1. Chemical Product and Company Identification

Product Name : Polycarboxylate Superplasticizer Powder
 Other name : PCE
 Model : PC 3010, PC 3030
 Recommended Uses : Cement or gypsum based mortar, concrete
 Manufacturer : Shandong Charing Industry Co.,Ltd
 Address : ROOM 1402,ZONE 17 AND 18, NO.19BUILDING, LUNENG
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2. Hazards Identification

Hazards Identification : This substance is considered to be non-hazardous for transport.

Emergency Overview : Irritating to eyes, respiratory systems and skin.

3. Information on Ingredients

Main ingredient	Composition	CAS NO.
Inorganic filler(Silicon dioxide)	10%	14464-46-1
Water soluble polycarboxylate (poly(ethylene glycol) dimethacrylate)	90%	70879-60-6

Molecular formula : C50H94O24 (SiO2) n

4. First Aid Measures

4.1 Skin Exposure:

In case of contact, flushwith copious of water. Ifirritation persists, calla physician.

4.2 Eye Exposure:

In case of contact, flush with copious of water for at last 15minutes.Assure adequate flushing by separating the eyelids with fingers.If irritation persists,call a physician.

Inhalation Exposure: If inhaled, remove to fresh air. If not breathing give artificial respiration.

If breathing is difficult, give oxygen.

4.3 Oral Exposure:

If swallowed, washout mouth with water provided person is conscious. Calla physician.

5. Firefighting measures

5.1 Extinguishing Media:

Suitable: Water spry, dry chemical powder, appropriate foam or carbon dioxide.

5.2 Firefighting:

Protective Equipment: Water self-contained breathing apparatus and protective clothing to prevent contact withskin and eyes.

5.3 Hazardous Decomposition Producc :CO,CO2.

6. Accidental release measures

6.1 Procedures of Personal Precautions:

Wear appropriate protective clothing.

6.2 Methods for cleaning up:

Mix with inert material (eg.dry sand, vermiculite)and transfer to a dry, clean, lidded container for

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disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. Handling and storage

Handling:

User Exposure: Avoid contact with eyes. Keep away from ignition sources, heat, light and flame.

Incompatibilities: strong oxidizing agents and foods. No smoking at working site.

Storage:

Store in a cool, well-ventilated area. Keep away from ignition sources, heat and flame. Store in a tightly closed container. Incompatibilities: strong oxidizing agents and foods.

8. Exposure controls/personal protection

8.1 Engineering Controls : Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment:

Respiratory : Wear government approved respirator.

Eye : Chemical safety glasses.

Clothing : Wear appropriate protective clothing.

Hand : Compatible protective gloves.

General Hygiene Measures : No smoking, drinking and eating at working site.

Wash thoroughly after handling.

9. Physical and chemical properties

Appearance : White yellowish Powder

Odor : Weak odor

Flashing Point : None

pH Value(10% in water) : 7-9

Solubility : Miscible in water

10. Stability and reactivity

Stable : Stable

Materials to Avoid : Strong oxidizing agents.

Hazardous Polymerization : Will not occur

Hazardous Decomposition Products : Carbon monoxide, Carbon dioxide.

11. Toxicological information

Toxicity Data : No data available.

Irritation Data : Irritating to eyes, respiratory systems and skin.

12. Ecological Information

No data available.

13. Disposal considerations

Appropriate Method of Disposal of substance:

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with and afterburner and scrubber, or contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

14. Transport information

DOT

Proper Shipping Name : None.

Non-Hazardous for Transport : This substance is considered to be non-hazardous for transport.

ADR/RID CLASS : None

Non-Hazardous for Transport : This substance is considered to be non-hazardous for transport.

IATA:

Non-Hazardous for Air Transport: Non-hazardous for air transport.

IMO:

Non-Hazardous for Sea Transport: Non-hazardous for air transport.

According to IMDG/IMO,it's not dangerous cargo.

15. Regulatory information

EU Additional Classification:

Classification : Non regulated material.

Risk Phrases : R 36/37/38Irritating to eyes, respiratory system and skin.

Safety Phrases : S 26 36/37/39In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable clothing, gloves and eye/face protection.

16. Other information

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements. The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.