# Safety Data Sheet

## Section 1: Chemical Product and Company Identification

**Product Name:** Polycarboxylate Superplasticizer (PCE)
**Other Name:** PCE; Polycarboxylate Ether; Polycarboxylate Ether Based Superplasticizer; PCE Powder
**Chemical Type:** Polycarboxylate Ether copolymer

**Recommended use of chemical:** Cement or gypsum based mortar, Concrete, self-leveling compounds

**Manufacturer:**
**Hebei Polyvia New Material Technology Co., Ltd.**
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## Section 2: Hazard(s) Identification

**Emergency Overview:** Caution! Causes eye irritation.
Causes skin irritation.
May be harmful if ingested. Potential Health Effects:
**Inhalation:** Acute inhalation not expected to result in adverse effects. Prolonged inhalation may cause respiratory tract irritation.
**Effects include:** No other effects expected unless listed below. Eye Contact: Eye contact causes irritation.
**Skin Contact:** Skin contact causes irritation.
Prolonged skin contact can result in irritation causing redness and itching. Skin **Absorption:** Not expected to be harmful if absorbed through the skin. Ingestion: Harmful if ingested.
**Effects include:** Nausea, pain, vomiting, diarrhea and digestive tract irritation.

## Section 3: Composition / Information on Ingredients

| Name | CAS # | % by weight |
|---|---|---|
| Polycarboxylate Ether | NA | 95% |
| Silicon dioxide | 7631-86-9 | ≤ 10% |

## Section 4: First Aid Measures

**Skin Contact:** Wash with soap and water.
If discomfort or irritation persists, consult a physician. Remove contaminated clothing and wash before reuse.
**Eye Contact:** Flush eyes with water for at least 15 minutes while holding eyelids open. If discomfortor irritation persists, consult a physician.
**Ingestion:** Rinse mouth with water. Give the person one or two glasses of water

andthenconsultphysician. In extreme emergency, induce the victim to vomiting under professional supervisions.

**Inhalation:** No hazard in normal industrial use. If symptoms develop, get fresh air, andif symptomspersist, consult a physician. If breathing has stopped, give artificial respiration thenoxygenifneeded.

## Section 5: Fire and Explosion Data

**Extinguishing Media:** In case of fire, use water spray, dry chemical, carbon dioxide or foam.

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and completepersonalprotective equipment when potential for exposure to vapors or products of combustionexist. Watermay be used to cool containers to prevent pressure build-up and possible auto-ignitionor explosion. Avoid breathing hazardous vapors or products of combustion, keep upwind. Isolate areaandkeepunnecessary people away. Prevent run-off from fire control or dilution fromenteringstreamsordrinking water supplies. No special procedures specific to this product.

**Unusual Fire and Explosion Hazards:** None unless noted below.

## Section 6: Accidental Release Measures

**Spills/Leaks:** Use proper personal protective equipment. Do not flush to sewer or allowtoenterwaterways. Keep unnecessary people away. Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place inasuitablecontainer. For large spills, dike area and pump waste material into closed containers for disposal orreclamation.

## Section 7: Handling and Storage

Precautionary Measures: Avoid contact with eyes, skin and clothing. Do not take internally. Practice good personal hygiene to avoid ingestion. Use only with adequate ventilation. Wash clothing before reuse. FOR PROFESSIONAL USE ONLY. KEEP OUT OF CHILDREN'S REACH.

## Section 8: Exposure Controls/Personal Protection

**Engineering Measures:** Ventilation must be adequacy. Personal Protective **Equipment:Common rules:** Do not eat, drink and smoke at working place. Avoid to long-timecontact the substance and breathe the dust of the substance. Change the contaminated clothing andwashit.

**Respiratory Protection:** NecessarySkin Protection: Rubber or other impervious gloves should be worn to prevent skin contact.

**Eye Protection:** At minimum, safety glasses with side shields should be worn whereexposuretoexcessive dust or spry is likely. Work/Hygienic Practices: Use good personal hygiene practices. None beyond those notedabove.

## Section 9: Physical and Chemical Properties

Appearance: Whit powder with good fluidity
Characteristics: Non-toxicity, non- irritation, non-spontaneous combustion
Bulk density: 400-700 kg/m3
Moisture content: ≤5%
pH Value of 20% solution @20℃: 4 ~9
Cl Content (%): ≤0.02

## Section 10: Stability and Reactivity Data

**Storage:** Keep away from the heat, direct sunlight and fire.
**Conditions to avoid:** Strong oxidant.
Hazardous Decomposition Products: This substance will not decompose hazardously.

## Section 11: Toxicological Information

Not belong to toxic substances.
**Corrosive and Irritation Properties:**
Not belong to corrosives, may cause skin/eye irritation.
Allergenic and Sensitive Effects: No relevant information found Acute and Chronic **Toxicity:** No relevant information found
**Effects on the Reproductive System:** No relevant information found
**Teratogenic Effects:** No relevant information found

## Section 12: Ecological Information

Not belong to radioactive material.
**Environmental Fate and Eco-toxicity:** No data available for product

## Section 13: Disposal Considerations

Burn in a chemical incinerator equipped with an afterburner and scrubber. Before discarding it,consult with the local specialist of water treatment.

## Section 14: Transport Information

**International Transport Regulations**
**UN Number**
Not regulated as dangerous goods based on available information.

**UN Proper Shipping Name**
Not applicable.

**Transport Hazard Class**
Not applicable.

**Packing Group**
Not applicable.

**Environmental Hazards**
Not classified as an environmentally hazardous substance based on available information.

**Special Precautions for User**
Keep packaging dry and properly sealed during transportation.
Avoid damage to packaging and excessive exposure to moisture.

**ADR / RID**
Not regulated as dangerous goods.

**IMDG**
Not regulated as dangerous goods.

**IATA**
Not regulated as dangerous goods.
Important: Final transport classification should be verified against the applicable transport regulations and the specific product formulation before commercial shipment.

## Section 15: Other Regulatory Information

The product should be handled in accordance with applicable chemical safety, occupational health, environmental, and transportation regulations.
This Safety Data Sheet is prepared in a format consistent with the internationally recognized 16-section SDS structure.
Users are responsible for ensuring compliance with all applicable local regulations in the country or region where the product is manufactured, transported, stored, or used.

## Section 16: Other Information

**References:** Not available.
**Other Special Considerations**: Not available.
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