

Polycarboxylate Dispersant

Water-soluble polymeric dispersant for selected construction admixture and aqueous formulation development.

CAS No. 62601-60-9	EC / List No. Not assigned in the polymer references	Transport Non-dangerous goods
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Product Information

Polycarboxylate dispersant, CAS 62601-60-9, is a water-soluble sodium-salt polymeric material. It is used to develop dispersion and water-reduction behaviour in selected construction admixtures and aqueous formulations. A single small-molecule formula does not describe a commercial polymer grade.

Specifications

Parameter	Specification
Appearance at 25°C	White or yellowish powder
pH at 25°C, 5% aqueous solution	9–11.5
Moisture	≤10 %
Odour	Odourless
Bulk density	0.45 g/cm ³
Decomposition temperature, stated TDS	From 243 °C
Flash point, stated TDS	>100 °C
Solubility	Soluble in water; insoluble in aromatics

Supply specifications follow the stated ZXCHEM TDS. Select the grade against the intended process and evaluate the complete formulation.

Typical Properties

Property	Typical Value
Bulk Density	0.45 g/cm ³
Water Solubility	Soluble

Applications

Construction admixtures: Polymeric dispersant for selected concrete and mortar formulations. Test cement compatibility, workability, water reduction and strength development.

Agricultural dispersions: Candidate polymer for aqueous crop-input formulation trials. Evaluate active compatibility, suspensibility and storage stability before selecting a dosage.

Aqueous industrial formulations: Dispersant for selected water-based systems. Establish dissolution, dispersion stability and compatibility with the complete recipe.

Packaging / Storage

Item	Information
Packing	20 kg lined kraft bags
Storage	Keep sealed in a cool, dry, ventilated warehouse, away from moisture, sunlight, strong acids, bases and oxidizers.
Shelf life	Two years in unopened original packaging under cool, dry storage conditions.
Handling	Use enclosed powder feeding or local extraction, gloves, goggles and suitable work clothing. Prevent dust accumulation and ignition sources; keep cleanup material out of drains.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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