TECHNICAL DATA SHEET

FLOREY® Reducing Agent

Reducing agent

Reducing Agent for PCE Synthesis

Supplier: Luoyang Florey Import and Export Co., Ltd.

Website: www.floreyconcrete.com

Product Description

A blend of reducing substances used in redox initiation for PCE synthesis. It reacts with oxidizing agents to generate radicals that initiate polymerization.

Applications

Designed for room-temperature synthesis of C6 PCE mother liquor. The reducing agent helps lower the activation energy of the redox reaction and supports polymerization over a wider temperature range.

Product Specification

Item	Specification
Appearance	White or pale yellow powder
Moisture (%)	≤8.0
pH (1% aqueous solution)	7.9–10.9
Purity (%)	≥90
Water-insoluble matter (%)	≤1.0

Guidelines for Use

Use 0.4–1.0 kg per tonne of PCE mother liquor at 40% solids, or follow the recommended formulation and process.

Storage and Handling

Store sealed in a dry place at -5 to 30°C, away from direct sunlight and oxidizing agents. Shelf life is 3 months. After this period, use only if the product passes testing.

Packaging

Available in 25 kg bags.

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