

FCI FLAME RETARDANTS

34 Glen Lake Drive, Medford, NJ 08055

Technical Data Sheet

FCI Pentaerythritol

CAS No.	115-77-5
Chemical Formula	C ₅ H ₁₂ O ₄
Appearance	White, crystalline powder

Specifications

Monopentaerythritol content, %	%	≥98
Hydroxyl content, %	%	≥48.5
Moisture, %	%	≤0.2
Ash content, % mass	%	≤0.05
Phthalic color		≤2
Melting Point, ° C	°C	255°C
Particle size um	D50	18

Applications

Pentaerythritol is the main raw material of alkyd resin, oil painting and painting. It also can be used as follow: manufacturing plastifiers that of hot and cold resistance and without poison, additive agent of lubricant, emulsifying agent, petroleum anti-freezing agent, stabilizing agent of polyvinyl chloride, fire retardant, fire resistance painting and printing ink and the like.

Safety and toxicity

Acute oral toxicity LD₅₀ (rabbit): ≥18500mg/kg LD50

Storage: Dry, at room temp.

Packing

25kg / bag, paper bag lined with PE bag or as customer's requirements