

Pentaerythritol is a simple five-carbon tetraol used in the fabrication of resins, alkylated resins, varnishes, PVC stabilizers, tall oil esters, and olefin antioxidants.

## Description

Pentaerythritol mono grade (Penta mono or purepenta), White crystalline material Polyhydric alcohol containing four primary hydroxyl groups

## Applications

Alkyd resins

Radiation curing monomers

Polyurethanes

Rosin esters

Synthetic lubricants

As a raw-material for alkyd resins ; used in the manufacture of high quality oil based surface coatings. As a raw-material for rosin and tall oil esters, used in the manufacture of high quality oil based varnishes. As a raw-material to C5 - C11 mono carboxylic acid esters, components for synthetic aircraft gas turbine lubricants. Pentaerythritol is a raw-material for plasticizers, heat stabilizers, intumescent used in flame

retardent paints, chlorinated polyether resins and multifunctional acrylate monomers.

Specification :

CAS Number: 115 - 77 - 5

EINECS Number: 204 - 104 - 9

Chemical Name: Tetra Methylol Methane

Chemical Classification: Polyhydric alcohol, polyol

Synonyms: PE ; Penta ; 2,2-bis hydroxymethyl-1,3-propanediol ; pentaerythrite ; tetrahydroxymethyl methane ; monopentaerythritol ; tetrakis (hydroxymethyl) methane ; pentaerythritol.

Formula  $C(CH_2OH)_4$

Molecular weight 136.15

Pentaerythritol Content 99%

Hydroxyl content 49.1%

Mosisture 0.11%

Color (Phthalate) 1

Apperance White Crystalline Purely

Ash 0.03%