

# PENTAERYTHRITOL



CAS Number: 115-77-5

Other Names: 2,2-Bis(hydroxymethyl)propane-1,3-diol,  
Monopentaerythritol, Monopentaerythritol

Formula:  $C_5H_{12}O_4$

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## PRODUCT INTRODUCTION

Pentaerythritol is an organic compound, a white, crystalline solid with the formula  $C_5H_{12}O_4$ . It is a polyol with the neopentane backbone and one hydroxyl group in each of the four terminal carbons. It is a building block for the synthesis and production of explosives, plastics, paints, appliances, cosmetics, and many other important chemicals..

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## PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White Crystalline Powder
Monopentaerythritol	98.5 % min
Melting Point	259°C
Water & Volatile Products	0.10 % max
Ash	0.0006%

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## APPLICATIONS

- Pentaerythritol is used in manufacture of Alkyd resins, fatty acid rosin and tall oil esters
- It is also used to make paint and coatings, printing ink, coating adhesives, sealants, varnish, lacquer, vinyl chloride, synthetic rubber and Synthetic lubricants
- It is used in fire retardant surface coatings

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## PACKAGING OPTIONS

Bags

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