



Pentaerythritol

Pentaerythritol is a white or slight yellow crystalline odorless solid moderately soluble in cold water, freely soluble in hot water, slightly soluble in alcohol, soluble in benzene, ether and petroleum ether. It is used to make the explosive pentaerythritol tetranitrate (PETN) and in the manufacture of alkylol resins and other coating compounds.

Formula: $C(CH_2OH)_4$
Molecular Weight: 136.15
CAS Registry Number: 115-77-5

Technical Data:

Typical Properties	Specifications		
	98% Grade	94% Grade	92% Grade
Appearance	White crystalline powder		
Mono-pentaerythritol, % \geq	98	94	92
Hydroxyl content, % \geq	48.5	47.5	46.5
Water & volatile, % \leq	0.2	0.5	0.5
Ash, % \leq	0.05	0.1	0.1
Melting Point, °C	240	195	/
Phthalic Color, Gardner, \leq	1	1	2

Forms/Packaging

White crystalline powder, 25 kg sack.