



**Dimethylol Propionic Acid DMPA**  
**2,2 Dimethylol Propionic Acid**

**Catalog Nr.** Q020

**Definition** Chemical formula:  $\text{CH}_3\text{C}(\text{CH}_2\text{OH})_2\text{COOH}$ .

SYNONYMS: 2,2-Bis(hydroxymethyl)propionic acid; Bis-MPA; DMPA;  
3-hydroxy-2-(hydroxymethyl)-2-methyl-propanoic Acid; Dihydroxypivalic Acid; Alpha,  
Alpha-bis(Hydroxymethyl) Propionic Acid;

**CAS Number** 4767-03-7

**Application** Polyol and carboxyl acid are essential in polyurethane manufacturing system. Dimethylol propionic acid (DMPA) contains two kinds of functional groups in one molecule. There are two primary hydroxyl groups and one tertiary carboxyl group which provide function of making polyurethanes and polyesters especially water soluble. Application includes polyurethane dispersion, alkyds and polyesters, chemical building block, printing inks, photographic chemicals.

<b>Technical Data</b>	APPEARANCE	white to off white crystalline solid
	MELTING POINT	189 - 190 C
	BOILING POINT	>200 C
	SOLUBILITY IN WATER	soluble
	Flash Point:	> 150 deg C (> 302.00 deg F)

**Packaging & Handling** 25 kg bags

<b>UN Number</b>	<b>Class</b>	<b>Packaging Group</b>
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**Remarks**