

Bis-MPA™

The key dispersing monomer for PUDs

Product Description

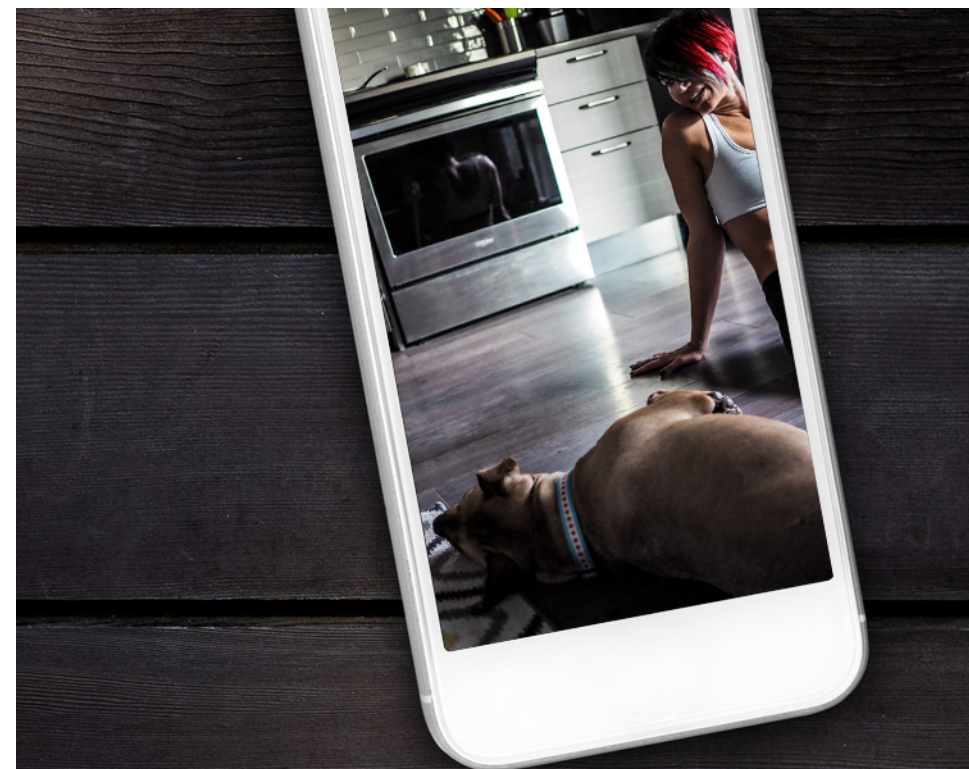
Bis-MPA™, with the chemical name Dimethylolpropionic Acid (DMPA), is a trifunctional compound of neopentyl structure containing two primary hydroxyl groups and one tertiary carboxyl group. In polyurethane dispersions, the benefit of Bis-MPA™ is that only small amounts are needed to create stable dispersions, resulting in excellent water resistance. Bis-MPA™ is a white crystalline material.

Segment Applications

Polyurethane dispersions as well as other water based systems (e.g. alkyds, epoxy and polyesters). Also used in solventborne alkyds and in various other resin technologies.

Delivery Forms

25 kg bags as 500 and 1000 kg/pallet
500 kg Big bags



Waterborne solvent free PUDs need to deliver not just low/no VOC solutions for coatings and adhesives but stable and precise performance properties within cost requirements. Our PUD building block products, such as Bis-MPA™ give resin producers the flexibility to choose the exact properties required.

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Sales Specification

Characteristics	Unit	Specification	Analytical Method ¹
Hydroxyl number	mg KOH/g	810 - 860	PO 100-12
Ash content (as sodium)	ppm	Max. 100	PO 103-11
Acid number	mg KOH/g	405 - 425	PO 110-5
Water content	%	Max. 0.3	PO 109-2

1. Analytical methods are available on request

General Characteristics

Characteristics	Unit	Typical Value ¹
Bis-MPA content	%	98

1. Typical values are for information only and not part of sales specification

Handling and Storage

Perstorp recommends storing Bis-MPA™ in sealed bags at ambient temperature, in a dry area protected from direct sunlight and the elements.

CAS no.: 4767-03-7
 EC (EINECS) no.: 225-306-3
 HS no.: 2918 19

Effective date November 17, 2020

USERS ARE ADVISED TO MAKE THEIR OWN INDEPENDENT DETERMINATION OF THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE. EXCEPT FOR WHAT IS STATED IN PERSTORP'S GENERAL CONDITIONS OF SALE OR SEPARATELY IN A WRITTEN CONTRACT WITH PERSTORP, NO INFORMATION PROVIDED IN THIS DATA SHEET CONSTITUTES A WARRANTY (EXPRESS OR IMPLIED) BY PERSTORP, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.