

# DeepWhite™ DMA-X CONC

## (Optical Brightening Agent For Detergent Powder/bar)

### GENERAL INFORMATION:

Chemical composition	: Stilbene Disulfonic acid derivative
Molecular formula	: C <sub>40</sub> H <sub>38</sub> N <sub>12</sub> O <sub>8</sub> S <sub>2</sub> Na <sub>2</sub>
Molecular weight	: 924
Physical Appearance	: Light Yellow to Off-White Free Flowing granules
Chemical composition	: disodium 4,4'-bis[(4-anilino-6-morpholino-1,3,5-triazin-2-yl)amino]stilbene-2,2'-disulphonate
Colour Index number	: C.I. Fluorescent Brightener 71
CAS Number	: 16090-02-1
Bulk density	: 400-500grams/Liter
Affinity	: High
Insoluble Substance	: 0.5% max
E-Value	: 543.2 - 576.8
pH of 0.5 % Sol at 60°C	: 9.0 - 10.5
Solubility (5 gm/L) at 98°C	: Clear to Slight Hazy Solution
Stability with alkaline peroxide	: Good
Stability with Hydrosulphite	: Good
Stability with Alkali	: Good
Stability with Hard water	: Good



### PARTICLE SIZE DISTRIBUTION

Property	>	>	UMO	Min%	Max%	Method
Range 1	500		µm		10	DHQA 061
Range 2		125	µm		50	DHQA 061

### APPLICATION:

- DeepWhite DMA-X CONC can be used in all type of detergents (laundry detergent powder).
- It can be used in production of powder detergents by all usual process e.g. Pressure jet spraying, spray mixing & dry mixing.
- DeepWhite DMA-X CONC optical brighteners absorb UV and emit blue light to compensate the inherent yellow cast of textile substrates and produce brilliant neutral whites.
- DeepWhite DMA-X CONC is stable to alkali, perborate, peroxide & TAED under conditions usually found in household & commercial laundering. When already present on the fiber, DMA-X CONC has good fastness to chlorine bleaching.
- Only small reduction in brightness occurs when bleaching is carried out in a solution of hypochlorite containing up to 500 ppm available chlorine.
- DeepWhite DMA-X CONC is cost effective optical brightener under above conditions
- Recommended dosage - 0.15% - 0.60%

**Disclaimer:** This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Conditions of Sale.

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