

Product Data Sheet

Dissolvine® M-X MAX

Dissolvine® M-X MAX is a high purity, versatile and readily biodegradable chelating agent in solid form. Dissolvine® M-X MAX has a 100% bio-based carbon content.

Applications

Household cleaning

- Dissolvine® M-X MAX effectively replaces phosphorous containing builders in dishwashing detergents.
- It enhances the cleaning power of a cleaner / detergent by sequestering the metal ions like Ca and Mg.
- It prevents the deactivation of surfactants from hard water metal ions.

Industrial & Institutional cleaning

- Dissolvine® M-X MAX forms stable, water-soluble metal complexes with all
 potentially harmful metal ions.
- It dissolves existing, and prevents new scales from causing problems in water circulation equipment (in e.g. the power, brewing, and sugar industries).
- Because of its low molecular weight this chelate performs very well in short contact cleaning.

Specifications	Checkpoint	Specification	Units	Method
	Appearance	White granules		Visual
	Assay as MGDA-Na₃	min. 81	%	SMA 916.02
	pH of 1% aqueous solution	10.5 - 12.5		SMA 176.18
	Color of 40% aqueous solution	max. 250	APHA	SMA 898.06

Main Characteristics

Free flowing granules

Bulk density: 700 - 1000 kg/m3

Sequestering values for Dissolvine® M-X MAX are approximately (theoretical calculated figures):

Metal ion	pH range	mg metal/g Dissolvine® M-X MAX
calcium	6 - 14	115
copper	1 - 11	185
ferric	0 - 8	160
magnesium	7 – 11	70
manganese	4 - 11	160
zinc	2 - 11	190

Environmental aspects

Readily biodegradable, non-hazardous, Ecolabel compliant

COD: 580 mg/g

FPD 3113-01-1, Oct-2025 Update: New product

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Chemical Name Methylglycine N,N-diacetic acid, trisodium salt

Chemical formula Structure

MGDA-Na₃

Mol. Weight 271.1

164462-16-2 **CAS Number**

For information on possible packing types and sizes, please contact your nearest **Packing**

Nouryon representative.

Store in original packing at a dry place. Storage

Opened bags must be closed again properly.

It is advised to re-test the material after three years of storage

Further information For transport, handling and first aid instructions, please refer to the Safety Data

Sheet, which is available on request.

For samples, technical service and further information, please contact your nearest

Nouryon representative or:

Internet www.nouryon.com

Addresses You can find the addresses of our offices at

www.nouryon.com/company/locations

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