

Product Data Sheet

Dissolvine® GL Premium MAX

Dissolvine® GL Premium MAX is a solution of a high purity, versatile and readily biodegradable chelating agent in water. Dissolvine® GL Premium MAX has a 100% bio-based carbon content.

Applications	<p>Boosting agent for disinfecting products (with low skin irritation).</p> <p>Improved detergency at high water hardness.</p> <p>Hard surface cleaning performance is improved in combination with gluco(hepto)nates.</p> <p>Scale removal at high pH.</p> <p>Scale inhibitor in laundering and dishwashing applications.</p> <p>Booster for stain removal in dish washing detergents better than citrates and phosphates.</p> <p>Scum inhibitor in bathroom cleaners.</p> <p>Improved cleaning & foaming in shampoo applications.</p> <p>Storage stabilization of bleaching agents (perborates / percarbonates) and unsaturated alkyl chain-based surfactants.</p> <p>Transport cleaners: Oil and Iron removal at high pH replacement for NTA.</p>
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Specifications	Checkpoint	Specification	Units	Method
	Appearance	Clear liquid		visual
	Assay as GLDA-Na ₄	54.6 – 55.4	%	SMA 916.02
	pH of a 1% w/v dilution	10.0 – 10.4		SMA 176.18
	Color	250 max	APHA	SMA 898.06
	NTA-Na ₃	< 0.10	%	SMA 883.02
	Chloride	0.05 max	%	SMA 269.35

Main Characteristics	<p>Miscibility with water : any desired ratio</p> <p>Density : approx. 1500 kg/m³</p> <p>Viscosity : < 500 mPa.s (20°C)</p> <p>Surface tension : aq. solution, no surface active components</p> <p>Electro conductivity : approx. 4.75 mS/cm</p> <p>Freezing point : <-15°C</p>
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Sequestering values for Dissolvine® GL Premium MAX are approximately (theoretical calculated figures):

Metal ion	pH range	mg metal/g Dissolvine® GL Premium MAX
calcium	6 - 14	65
copper	2 - 12	100
ferric	2 - 8	80
magnesium	5 - 10	40
manganese	5 - 10	85
zinc	3 - 12	100

Environmental aspects	<p>Readily biodegradable, non-hazardous, Ecolabel compliant</p> <p>COD: 400-445 mg/g</p>
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FPD 3110-01-1, Oct-2025 Update: Update: Viscosity

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Chemical Name	Glutamic acid, N,N-diacetic acid, tetrasodium salt
Chemical formula	GLDA- Na_4
INCI name	Tetrasodium glutamate diacetate
Structure	
Mol. Weight	351.1
CAS Number	51981-21-6
Packing	For information on possible packing types and sizes, please contact your nearest Nouryon representative.
Storage	Store in original packing or in PVC, PP, PE, stainless steel or bituminized tanks. Avoid contact with aluminum, zinc, nickel, copper and copper alloys. 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 https://chelates.nouryon.com/locations/

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