


## Product properties – Technical sheet

<p><b>GS MDR GRINDING AGENT</b></p>	<p><b>Item no.:</b> <b>00 13 27</b></p>
<p><b>Areas of application</b></p>	<p><b>GS MDR</b> can be used for many grinding, polishing and debarring processes.</p> <p><b>GS MDR</b> is suitable to remove drawing oils and soaps, release agents and all kinds of greases.</p> <p><b>GS MDR</b> is based on a combination of different detergents, builders and corrosion protectors. The product is especially suitable for the removal of particles on non-ferrous metals like brass and copper. Grinding stones made from plastic or ceramic remain perfectly clean for short processing times.</p> <p><b>GS MDR</b> contains special dispersants that support the discharge of the grinding abrasion very well.</p> <p><b>GS MDR</b> is a liquid agent to be used in manual or automatically volumetric metering systems.</p>
<p><b>Corrosion protection</b></p>	<p><b>GS MDR</b> has special components for corrosion protection to prevent sensitive material from corrosion.</p>
<p><b>Method of application</b></p>	<p><b>Suitable for automatic dosing (time relay, volumetric control):</b></p> <p>Concentration: 0.2 – 1.0 %          Temperature: 20 – 40°C          Spray pressure: 0 bar          Time: 1 – 5 minutes</p> <p>According to the desired quality standard the cleaned parts must be rinsed thoroughly with water or demineralised water to remove any possible residues!</p> <p>If parts are sensitive to corrosion an addition of a corrosion inhibitor into the last rinsing bath is necessary.</p>
<p><b>Material compatibility</b></p>	<p>PVDF, PP, PE, PVC, stainless steel, ceramic, glass, grey cast iron, steel and non-ferrous metal, in some cases aluminium.</p> <p><b>GS MDR</b> must not be used on zinc.</p> <p>In addition, further material incompatibilities cannot be excluded. Therefore, test the product on an unimportant part before its definite use.</p>

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<b>Analysis of concentration</b>	n/a		
<b>Physical and chemical properties</b>			
<b>Aspect/colour</b>	Clear	Yellowish – Brownish	
<b>Form</b>	Liquid		
<b>Odour</b>	Characteristic		
<b>Foaming behaviour</b> <small>(see under conditions of application)</small>	Slightly foaming		
<b>Phosphates</b>	n/a		
<b>Density (20°C) g/cm<sup>3</sup></b>	1.025 – 1.045		
<b>Concentration</b>	<b>1 % in H<sub>2</sub>O dest.</b>	<b>3 % in H<sub>2</sub>O dest.</b>	<b>5 % in H<sub>2</sub>O dest.</b>
<b>pH value (1 %, 20°C)</b>	8.0 – 9.0	n/a	n/a
<b>Conductance (1 %, 20°C) mS/cm</b>	n/a	n/a	n/a
<b>Phenolphthalein alkalinity (ml)</b>	n/a		
<b>m-Value (ml)</b>	n/a		
<b>Storage stability</b>	+ 5°C to + 40°C		
<b>Remarks regarding biocides</b>	n/a		
<b>Hazardous products</b>	Alkylether carboxylic acid / Laurylaminepolyglykoether / Sodium		
<b>Risk symbols</b>			
	<b>DANGER</b>		
<b>Special remarks</b>	<p>Always close the container with the original closure and store the items in a cool area without solar radiation. Product which was taken out of the container must never be poured back into the container.</p> <p><b>Read in any case our safety data sheet before using the product!</b></p>		
<b>Disposal</b>	Disposal acc. to official regulations, in case of doubt contact the manufacturer.		

Please refer to our safety data sheets and our operating instructions with regard to precautionary measures, first aid measures and storage. The information given in the Sheet corresponds to the present state of our technical knowledge and experience. They do not constitute any guarantee; they are to be considered as basic information only. In particular they do not guarantee particular properties or the suitability for a concrete purpose. Because of the multitude of possible influences during the application of our products, the user has to make in any case the relevant tests and take the corresponding precautions. Any existing intellectual property rights are to be observed.