



Product properties – Technical sheet

VR X 54 R DEGREASER	Item no.: 00 10 22
Areas of application	<p>VR X 54 R is a concentrated neutral cleaner to be used in aqueous immersion, flooding or ultrasonic systems.</p> <p>VR X 54 R is particularly suitable for the degreasing of aluminium, normal steel, stainless steel and ceramic parts.</p> <p>VR X 54 R is a high-yield product with an extremely good cleansing effect.</p> <p>VR X 54 R is especially developed to remove drawing oils and soaps, mould release agents, polishing and lapping pastes.</p> <p>VR X 54 R contains a special combination of detergents which ensure efficient cleaning without re-greasing of the parts when taking them out.</p>
Corrosion protection	<p>VR X 54 R has special components for corrosion protection to prevent sensitive material from corrosion.</p>
Method of application	<p>Suitable for automatic dosing (time relay or volumetric control):</p> <p>Concentration: 0.5 – 5.0 % Temperature: 50 – 80°C Pressure: 0 bar Time: 2 – 6 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>
Material compatibility	<p>PVDF, PP, PE, PVC, stainless steel, aluminium, ceramic, glass, grey cast iron, steel and non-ferrous metal.</p> <p>VR X 54 R 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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Analysis of concentration	according to the titration instructions		
Physical and chemical properties			
Aspect/colour	Clear	Green	
Form	Liquid		
Odour	Fragrance: Lemon		
Foaming behaviour <small>(see under conditions of application)</small>	Weak Foaming		
Phosphates	n/a		
Density (20°C) g/cm³	1.000 – 1.020		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	9.5 – 10.5	n/a	n/a
Conductance (1 %, 20°C) mS/cm	n/a	n/a	n/a
Phenolphthalein alkalinity (ml)	5.75 ± 0.75 (1 % at 50 ml sample)		
m-Value (ml)	N/a		
Storage stability	+ 5°C to + 40°C		
Remarks regarding biocides	n/a		
Hazardous products	2-aminoethanol / Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine		
Risk symbols			
	DANGER		
Special remarks	<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>Read in any case our safety data sheet before using the product!</p>		
Disposal	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.