


VR X 46 NS DEGREASER	Item no.: 00 12 37
Areas of application	<p>VR X 46 NS is a concentrated liquid, mild acid cleaner and degreaser to be used in spray, flooding and immersion cleaning equipment in special cases usable for dipping and ultrasonic application.</p> <p>VR X 46 NS is used to remove oils, soaps and greases from surfaces especially from aluminium and stainless steel.</p> <p>VR X 46 NS contains a special combination of detergents which ensure efficient cleaning without the formation of foam.</p> <p>VR X 46 NS helps oils and greases to float at the surface thus increasing the efficiency of the oil traps.</p> <p>VR X 46 NS contains special brightening agents in order to get bright surfaces on aluminium.</p>
Corrosion protection	<p>VR X 46 NS hasn't any components for corrosion protection to prevent sensitive material from corrosion.</p>
Method of application	<p>Suitable for automatic metering (time relay, volumetric control):</p> <p>Concentration: 0.5 – 3.0 % Temperature: 50 – 80°C Pressure: 2 – 100 bar Time: 1 – 3 minutes</p> <p>According to the desired quality standard the cleaned parts have to 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, ceramic, glass and aluminium, in special cases for non-ferrous metal.</p> <p>VR X 46 NS must not be used on steel, grey cast iron and zinc.</p> <p>In addition, further material incompatibilities cannot be excluded. Therefore, test the product on an unimportant spot before its definite use.</p>

Product properties – Technical sheet

Analysis of concentration		according to the titration instructions	
Physical and chemical properties			
Aspect/colour	Slightly Cloudy	Colourless	
Form	Liquid		
Odour	Weak, Characteristic		
Foaming behaviour (see under conditions of application)	Not foaming		
Phosphates	Contained		
Density (20°C) g/cm³	1.105 – 1.125		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	2.4 – 3.0	n/a	n/a
Conductance (1 %, 20°C) mS/cm	1.45 – 1.95	3.2 – 3.8	4.8 – 5.6
Phenolphthalein alkalinity (ml)	4.5 ± 0.5 (1 % at 10 ml sample)		
m-Value (ml)	n/a		
Storage stability	+ 5°C to + 40°C		
Remarks regarding biocides	n/a		
Hazardous products	Citric acid / Reaction mass of dimethyl hydrogen phosphate and methyl dihydrogen phosphate and orthophosphoric acid		
Risk symbols			
	DANGER		
Special remarks	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. Read in any case our safety data sheet before using the product!		
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.