


## Product properties – Technical sheet

<p><b>VR X 61 DEGREASER</b></p>	<p><b>Item no.:</b> <b>00 12 08</b></p>
<p><b>Areas of application</b></p>	<p><b>VR X 61</b> is a neutral cleaner to be used in aqueous spray, flooding and immersion cleaning processes.</p> <p><b>VR X 61</b> is usable for an extensive range of parts.</p> <p><b>VR X 61</b> is used to remove drawing oils and soaps, mould release agents, polishing and lapping pastes.</p> <p>Its neutral character and demulsifying detergents considerably support floating of oils so that the efficiency of the oil skimmer can be optimized.</p> <p><b>VR X 61</b> contains a special combination of detergents which ensure efficient cleaning without the formation of foam.</p> <p><b>VR X 61</b> is of particular use for the cleaning of delicate parts which have to be stored prior to their further processing.</p>
<p><b>Corrosion protection</b></p>	<p><b>VR X 61</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 or volumetric control):</b></p> <p>Concentration: 0.8 – 3.0 %          Temperature: 50 – 85°C          Pressure: 2 - 10 bar          Time: 1 – 3 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, non-ferrous metal and aluminium.</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>	according to the titration instructions		
<b>Physical and chemical properties</b>			
<b>Aspect/colour</b>	Clear	Brownish – Light Brown	
<b>Form</b>	Liquid		
<b>Odour</b>	Characteristic		
<b>Foaming behaviour</b> <small>(see under conditions of application)</small>	Not Foaming		
<b>Phosphates</b>	n/a		
<b>Density (20°C) g/cm<sup>3</sup></b>	1,035 – 1,055		
<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>	8.3 – 9.3	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>	4.2 ± 0.5 (1 % at 30 ml sample)		
<b>Storage stability</b>	+ 5°C to + 40°C		
<b>Remarks regarding biocides</b>	n/a		
<b>Hazardous products</b>	2-(2-butoxyethoxy)ethanol		
<b>Risk symbols</b>			
	<b>WARNING</b>		
<b>Special remarks</b>	<p><b>Protect from frost!</b> Store only in the original bundle. 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.