

Product properties – Technical sheet

EMULSION CLEANER NN	Item no.: 00 15 96
Areas of application	<p>Emulsion Cleaner NN is a mild alkaline liquid cleanser and degreaser to be used in spraying and immersion cleaning equipment as well as in flooding and ultrasonic systems.</p> <p>Emulsion Cleaner NN is used to remove tapping fluid, cooling lubricant, cutting oils and lubricating oils.</p> <p>Emulsion Cleaner NN leaves after the drying process on the surface a thin oily layer. This layer is a very good and save corrosion protection. Because of this characteristic the product is very usable as corrosion protection in spraying cleaning machines.</p>
Corrosion protection	<p>Emulsion Cleaner NN has special components for corrosion protection to prevent sensitive material from corrosion.</p> <p>Depending on the storage conditions the corrosion protection of a solution of 10 % of Emulsion Cleaner NN achieves a storage time free of corrosion till 12 months (indoor storage). Protection:</p> <p>According German 'Kondenswasser-Konstantklima (DIN EN ISO 6270-2): app. 500 hours (solution of 10 %, steel plate according DIN EN 10130).</p>
Method of application	<p>Suitable for automatic metering (time relay or volumetric control): Concentration: 2.0 – 10.0 % Temperature: 40 – 70°C Spray pressure: 0 – 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>
Material compatibility	<p>PVDF, PP, PE, PVC, stainless steel, steel, grey cast iron, ceramic, copper, aluminium and further non-ferrous metals.</p> <p>Emulsion Cleaner NN must not be used on zinc.</p> <p>In addition, further material incompatibilities cannot be excluded. Therefore, test the product on an unimportant spot before its definite use.</p>

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Analysis of concentration	Refractometer (Refractometerfactor 1,0) and according to the titration instructions		
Physical and chemical properties			
Aspect/colour	Cloudy	Brown – Dark Brown	
Form	Liquid		
Odour	Characteristic		
Foaming behaviour (see under conditions of application)	Not foaming		
Phosphates	n/a		
Density (20°C) g/cm³	0.920 – 0.940		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	8.3 – 9.8	n/a	n/a
Conductance (1 %, 20°C) mS/cm	n/a	n/a	n/a
Phenolphthalein alkalinity (ml)	n/a		
m-Value (ml)	2.6 ± 0.3 (1 % at 100 sample)		
Storage stability	+ 5°C to + 40°C		
Remarks regarding biocides	n/a		
Product contains	Fatty acid ethanolamide, ethoxylate / Isotridecanol, ethoxylated		
Risk symbols	THE PRODUCT IS NOT CLASSIFIED ACCORDING TO THE CLP REGULATION AND REQUIRES NO LABELING!		
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.