


CLEANER FOR BREWING COPPER	Item no.: 00 03 68
Areas of application	<p>Cleaner for Brewing Copper is a high concentrated, alkaline cleaner to remove stubborn deposits in brewing copper and all wort pipelines.</p> <p>Cleaner for Brewing Copper is particularly designed for the application with foam generators, but it also can be applied by hand or using spraying systems.</p> <p>Cleaner for Brewing Copper has a special combination of suitable surface-active agents which ensures thorough wetting of deposits and residues.</p> <p>Cleaner for Brewing Copper contains a special combination of detergents which ensure a brilliant shine after having rinsed the surface with water.</p> <p>Cleaner for Brewing Copper is free of chlorine.</p>
Method of application	<p>Cleaning with a foam spray system or simple spray system.</p> <p>Depending on the desired foam consistency use following concentration:</p> <p>Concentration: 2.0 – 5.0 % Temperature: 5 – 90°C Time: 15 – 30 minutes</p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p>
Material compatibility	<p>PVDF, PP, PE, Stainless Steel, Glass, Steel, Cast Iron</p> <p>Cleaner for Brewing Copper must not be used on aluminium. 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	Clear	Brown – Dark Brown	
Form	Liquid		
Odour	Weak, Characteristic		
Foaming behaviour (see under conditions of application)	Strong Foaming		
Phosphates	n/a		
Density (20°C) g/cm³	1.415 – 1.445		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	12.6 – 13.2	n/a	n/a
Conductance (1 %, 20°C) mS/cm	17.0 – 21.0	49.0 – 56.0	80.0. – 90.0
Phenolphthalein alkalinity (ml)	8.1 ± 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	Potassium Hydroxide / Sodium Hydroxide		
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.