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Technical Product Bulletin

P3-neutracare 310

Aqueous, Neutral Cleaner

from 20 °C employable in Spray Processing

Application Fields:	Cleaning with simultaneous short time passivation of steel and cast iron following the deformation or working of the part e.g. in the metal working industry of the motor and gear production.
Application:	Application in spray lines with one or more cleaning zones.
Composition:	organic corrosion protection agents water hardness stabilisers non-ionic surfactants cationic surfactants
Appearance:	clear, light yellow liquid Colour deviances due to different raw materials cannot be ruled out but do not in any way influence the product effectivity
Density (20 °C) acc. to DIN 51757:	1.02 ± 0.2 g/cm ³
Solubility:	unlimited in water
Frost Resistance:	> -10 °C
pH-value (20 °C) acc. to DIN 51369:	10.4 ± 0.3 (10 g/l in deionised water)
Application Concentration:	5 to 20 g/l for steel and non iron metals 15 to 30 g/l for cast iron
Application Temperature:	20 to 70 °C
Treatment Time:	0.5 to 3 minutes Longer treatment times can cause discolouring of non iron metals
Concentration Determination:	Titration of the alkalinity with acid: titration factor (TF): 1.1 g/(l * ml) sample quantity: 100 ml

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acid: 0.5 N hydrochloric or sulphuric acid
end-point: pH-value 3.6
Indicator: methyl orange

The acid consumption in ml multiplied with the TF (titration factor) results in the concentration of P3-neutracare 310.

Foaming Behaviour:

The product can be employed in the above stated concentration and temperature range without formation of any disturbing foam.

Waste Water Treatment:

A neutralisation with technical hydrochloric or sulphuric acid or with acidic waste water is compulsory. Depending on the dragged in contaminations during the washing process a further waste water treatment may be necessary. The discharge must be in compliance with the local discharge regulations.

Caution:

The hazard warnings and safety instructions given on the label and in the Safety Data Sheets must be observed.

Special Remarks:

The corrosion protection is increased if deionised water is used instead of normal plant water and if the parts are stored protected from weather and humidity.

The product is free of inorganic salts.

The foaming behaviour is hardly influenced by drag-in of cooling lubricant emulsions but if necessary additions of P3 Synergic 6584 will dissolve foam and hinder any new formation.

The water hardness stabiliser in the product prevent scaling in the cleaning lines even in hard water.

The expiry date of the product is given on the packaging labels.

The information provided herein, especially recommendations for the usage and the application of our products, is based upon our knowledge and experience. Due to different materials used as well as to varying working conditions beyond our control, we strictly recommend to carry out intensive trials to test the suitability of our products with regard to the required processes and applications. We do not accept any liability with regard to the above information or with regard to any verbal recommendation, except for cases we are liable of gross negligence or false intention.