

BONDERITE C-NE 6771

Known as P3-emulpon 6771
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PRODUCT DESCRIPTION

BONDERITE C-NE 6771 provides the following product characteristics:

Technology	Industrial Cleaner
Product Type	Neutral Cleaner
Application	Corrosion protection
Concentration	
in immersion process	10 to 40 g/L
in spray process	10 to 30 g/L
Operating Temperature	10 to 80 °C spray process

BONDERITE C-NE 6771 is a corrosion protection emulsion, applicable in spray and immersion processes from 10 °C upwards, also especially in the last zone of multistage plants. It is especially suited for "soft" water.

Application Areas

Passivating of steel and cast iron for subsequent storage in closed and heated warehouses.
BONDERITE C-NE 6771 is composed of organic corrosion protection components, non-ionic surfactants and mineral oil fractions.

TECHNICAL DATA

Appearance	braune Flüssigkeit
Density at 20°C, DIN 51757	~0.95 g/cm ³
pH-value (20% solution)	~9.5

DIRECTIONS FOR USE

Preliminary Statement:

Prior to use it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

Bath make-up:

Add the required amount carefully to the circulation system.

Concentration	
in immersion process	10 to 40 g/L
in spray process	10 to 30 g/L

Operating data:

Temperature	10 to 80 °C
Duration of treatment	0.5 to 3 min

Foam Behaviour:

BONDERITE C-NE 6771 can be used in spray applications when used in the above mentioned concentration range, in water of 1° German hardness (specially Calcium hardness) per 10 g / L application concentration. Above 30 °C BONDERITE C-NE 6771 can be applied without troublesome foam.

In the temperature range of 10 °C to 30 °C the defoamer BONDERITE S-PD 673 can be added to restrict foam if necessary. The recommended defoamer concentration is 25 to 50 mL / m³.

The emulsion bath is generally covered with a thin foam layer when spray applying, which breaks down completely after the pump has been switched off.

An additional increase of the water hardness by Ca salt additions has no effect on the foaming behaviour.

Bath Control:

BONDERITE C-NE 6771 solution is controlled by titration of free alkalinity.

Feed, mL	100 mL
Titrant:	0.5 N hydrochloric or 0.5 N sulphuric acid
End point:	pH 3.6
Indicator:	Methylorange
Titration factor (TF):	2.2
Brix value:	10 g / L = 1.1 ° Brix

- With a pipette transfer 100 mL bath solution into a clean 300 mL Erlenmeyer-flask.
- Add 4 to 5 drops of indicator.
- Titrate the solution with 0.5 N hydrochloric or 0.5 N sulphuric acid.
- The endpoint will be shown by a colour change from orange to red (pH: 3.6).
- Multiply the consumption of the acid solution with the titration factor (TF), to get the concentration in g/L
- Divide this by 10 to get the value in %.

Additional Directions:

Corrosion protection is increased, if deionized water instead of tap water is used and the work pieces are stored at low relative air humidity and shielded against weather exposure.

Classification:

Please refer to the corresponding **Material Safety Data**

Sheets for details on:

Hazards identification

Transport information

Regulatory information

Storage

Recommended Storage Temperature -0 to 40°C

Shelf-life, months 24

Frost-Sensitive yes

ADDITIONAL INFORMATION**Disclaimer****Note:**

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