

BONDERITE C-NE 7400

June 2022

PRODUCT DESCRIPTION

BONDERITE C-NE 7400 provides the following product characteristics:

Technology	Industrial Cleaner
Product Type	Neutral Cleaner
Application	Parts Cleaning

BONDERITE C-NE 7400 is an aqueous neutral cleaner.

Application Areas:

Passivating of steel and cast iron for subsequent storage in closed warehouses.

Application

- Water for leak testing hollow parts, e.g. radiators, fuel tanks, intake manifolds, cooling systems and silencers
- Cooling water circuit on engine test benches
- Cooling water for induction hardening
- Mildly alkaline solutions as well as neutral cleaner solutions for improving the corrosion protection

Composition:

- Organic corrosion protection components

TECHNICAL DATA

Appearance	Clear, bright yellowish liquid Raw material-dependent colour changes of the product cannot be excluded; the effectivity will, however, not be impaired.
Density at 20°C, DIN 51757	1.05 +/- 0.02 g/cm ³
Solubility	Infinite in water
Frost Resistance	>-5 °C
pH-value, 20°C 51369	10.1 +/- 0.3 (10 g/L in deionized water)

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: 5 to 20 g/L on steel
15 to 30 g/L on cast iron

Operating Data:

Temperature 15 to 80 °C
Duration of treatment 0.5 to 3 min

Longer duration of treatment as mentioned above may cause discolouration on non-ferrous metals.

Bath Control:

BONDERITE C-NE 7400 solution is controlled by titration of free alkalinity.

Titration factor (TF) 2.4 g/L x mL
Feed 100 ml
Acid 0.5 N hydrochloric or sulfuric acid
End-point pH 3.6
Indicator Methylorange

Concentration (g/L) = TF * acid - consumption in mL

Foam Behaviour:

Applicable in the given concentration and temperature range without disturbing foam.

Waste Water Treatment:

Neutralization with hydrochloric or sulphuric acid or with acidic waste water is compulsory. Due to soil infiltration during the washing procedure, further waste water treatment may be necessary. Disposal must be carried out in accordance with the current regulations by local authorities.

Special Remarks:

Corrosion protection is increased, - if deionized water is used instead of tap water and the work-pieces are stored at low relative air humidity and shielded against weather exposure. Below -5°C the product may become solid. After heating and homogenization it can be used without any loss of efficiency.

Classification:

Please refer to the corresponding **Material Safety Data Sheets** for details on:
Hazards identification
Transport information
Regulatory information



Storage:

Recommended Storage Temperature	5 to 35°C
Shelf-life, months	24

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