

BONDERITE C-NE 5225

Known as P3 Neutrassel 5225
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PRODUCT DESCRIPTION

BONDERITE C-NE 5225 provides the following product characteristics:

Technology	Industrial Cleaner
Product Type	Neutral Cleaner
Application	Parts Cleaning
Concentration on steel and nonferrous metals	5 to 20 g/L
Concentration on cast iron	15 to 30 g/L
Operating Temperature	20 to 80 °C spray process

BONDERITE C-NE 5225 is an aqueous, conductive neutral cleaner.

The product contains organic and inorganic corrosion protection components, phosphates, borates, nonionic and cationic surfactants.

Even despite high infiltration of coolants, the foaming behaviour of the product is unlikely to change.

Change of colour is caused by raw material and has no impact on performance.

Application Areas:

Cleaning after cutting, stamping or pressing, simultaneously passivating steel, cast iron and silumin work pieces. BONDERITE C-NE 5225 is used in spray processes.

TECHNICAL DATA

Appearance	clear, light yellowish liquid
Density at 20°C, DIN 51757	~1.13 g/cm ³
pH-value (1% solution):	~9.2
Conductivity at 20°C, 20 g/L, in DI water DIN 27888	2.8 mS/cm

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 on steel and nonferrous metals	5 to 20g/L
Concentration on cast iron	15 to 30g/L

Depending on water hardness the minimum concentration should be 1 g/L per "Degree German Hardness" (especially Ca hardness).

Operating Data:

Temperature	20 to 80 °C
Duration of treatment	0.5 to 3 min

Longer duration of treatment may cause discolouration on nonferrous metals.

Bath Control:

BONDERITE C-NE 5225 solution is controlled by titration of total alkalinity.

Feed, mL	100 mL
Titrant:	0.5 N hydrochloric or 0.5 N sulphuric acid
End point:	pH 3.6
Indicator:	Methyl orange
Titration factor (TF):	3.2

- Pipette 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:

Washed-off, not self-emulsifying oils can generally be separated to a great extent by a simple, mechanic process (e.g. skimmer, oil separator).

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 40°C

Shelf-life, months

24 months

ADDITIONAL INFORMATION**Disclaimer**

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Reference 0.2