

Bonderite C-NE 5226

Known as P3 Neutrasel 5226

April 2014

PRODUCT DESCRIPTION

Bonderite C-NE 5226 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 5226 is an aqueous, conductive neutral cleaner. It is composed of surfactants, salts of organic acids and hydrotropes. Bonderite C-NE 5226 is free of solvents, 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 5226 is used in spray processes, suitable for high pressure operations.

TECHNICAL DATA

Appearance	clear, bright yellowish liquid
Density at 20°C, DIN 51757	~1.12 g/cm ³
pH-value (20% solution)	~9.0
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 cast iron	5 to 20 g/L
Concentration on Aluminium	15 to 30 g/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 5226 solution is controlled by titration of free alkalinity.

Feed, mL	100 mL
Titratant:	0.5 N hydrochloric or 0.5 N sulphuric acid
End point:	pH 3.6
Indicator:	Methylorange
Titration factor (TF):	3.7

- 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	0 to 40°C
Shelf-life, months	12 months

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

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