

BONDERITE® C-NE 320BF

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Product description

BONDERITE® C-NE 320BF provides the following product characteristics:

Technology	Industrial cleaner
Product type	Alkaline cleaner
Application	Parts cleaning

BONDERITE® C-NE 320BF is a boron free, mildly alkaline cleaner formulated for cost effective cleaning of precision parts in power spray washers. BONDERITE® C-NE 320BF is designed for a wide temperature range and operations where splitting of oil is preferred. It contains a synergistic blend of corrosion inhibitors which provide in-process rust protection on ferrous and non-ferrous alloys. Its' unique composition of alkalinity, corrosion inhibitors and detergents provides a robust cleaning solution for today's modern washer systems.

Benefits:

- Cleaning and corrosion inhibition
- Multi-substrate compatible
- Low environmental impact – phosphate, silicate, nitrite, secondary amine and boron free
- Compatible with modern washer technologies in regards to drying, temperature ranges and foaming properties
- Product dries rapidly without the formation of residues especially important in Vacuum Drying applications

Application areas:

BONDERITE® C-NE 320BF is designed for use in conventional spray, ultrasonic, immersion and vibratory washers for removal of light to moderate soils.

Technical data

Appearance	Clear, light yellow liquid
pH-value (3% solution)	9.8
Concentration, %	2 to 5
Operating temperature, °C	20 to 80

Direction 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, %:	
Spray Washer	1 to 3
Ultrasonic Washer	2 to 5
Immersion Washer	2 to 5
Vibratory Washer (Batch Process)	1 to 3
Vibratory Washer (Continuous)	1 to 2

pH method:

1. Pipette 15 ml bath into a 200 ml beaker.
2. Add deionized water to the 100 ml mark.
3. Titrate with 0.1 N Hydrochloric Acid (Titrating Solution 61) until a pH of 3.6.
4. To determine the concentration, multiply the milliliters of acid consumed by 0.328.

Colorimetric method:

1. Pipette 25 ml of bath into a 125 ml flask.
2. Add 15 to 20 drops of Methyl Orange (Indicator 4).
3. Titrate with 0.5 N Hydrochloric Acid (Titrating Solution 41) until the color changes from yellow to orange.
4. To determine the concentration, multiply the milliliters of acid consumed by 1.08.

Classification:

Please refer to the corresponding **Material Safety Data Sheets** for details on:

Hazardous Information
Transport Regulations
Safety Regulations

Storage:

Frost-sensitive	Yes
Recommended storage temperature, °C	0 to 40
Shelf-life, months	36

Additional information

Disclaimer

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