

BONDERITE C-NE 300
NEUTRAL CLEANER
(KNOWN AS P3 NEUTRACARE 300)

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PRODUCT SUMMARY AT A GLANCE	
Product type	Neutral Cleaner
Metal type	Steel, Cast Iron, and Aluminum
Application	In-process Cleaner with Rust Protection

Product Technology: BONDERITE C-NE 300 (known as P3 NEUTRACARE 300) is a neutral based in-process cleaner with organic corrosion inhibitors designed for short term corrosion protection on ferrous or aluminum alloys. This product can be used for cleaning steel, cast iron, and aluminum after cutting, stamping, or pressing in the metal working industry and in the manufacturing of engines and transmissions. BONDERITE C-NE 300 (known as P3 NEUTRACARE 300) can be used to remove slight pigment soiling, coolant emulsions, and other working oils.

Typical Properties:

Property	Concentrate	Dilution
Appearance	Clear, yellow liquid	Clear, yellow liquid
pH	10.2	9.4 @ 1%
Density (20 °C)	1.05 ± 0.02 g/cm ³	
Operating Concentration (%V/V)	0.8 to 2.9%	
Operating Time	0.5 to 3 min	
Operating Temperature Range (°F)	68 to 176	

Operating Summary: BONDERITE C-NE 300 (known as P3 NEUTRACARE 300) is generally used between 0.8 to 2.9% in water for most operations. BONDERITE C-NE 300 (known as P3 NEUTRACARE 300) is applied in spray washers with one or more cleaning stages or in immersion processes with or without ultrasonic support. Consult your Henkel Representative for more specific recommendations on your particular operation and conditions.

Application Technologies: Conventional spray or immersion washers are suitable for use with BONDERITE C-NE 300 (known as P3 NEUTRACARE 300). Consult your Henkel Representative for more specific recommendations on your particular operation and conditions.

Product Control Test Method:

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Titration Procedure: Place 100 ml sample in a clean 250 ml flask. Add 4 - 5 drops of Indicator 4. Titrate with Titrating Solution 41 until solution changes color (yellow to red-orange). To determine the bath concentration, multiply the milliliters HCL consumed by a titration factor of 0.18, or use the table below.

% BONDERITE C-NE 300	HCL consumed, ml
0.8	4.5
1.8	10.0
2.9	16.0

Foaming Characteristics: The cleaner does not foam excessively when used within the specified concentration and temperature ranges. However, high drag-in of coolants may increase foaming during spraying. Consult your Henkel Representative for more specific recommendations on your particular operation and conditions.

Special Remarks: Corrosion protection is increased if deionized water is used and if the work pieces are stored at low relative air humidity and shielded against weather exposure.

Storage requirements: BONDERITE C-NE 300 (known as P3 NEUTRACARE 300) should be protected from freezing. Store BONDERITE C-NE 300 (known as P3 NEUTRACARE 300) above 40° F and below 100° F for best results.

Waste Disposal: Please follow all applicable federal, state and local regulations regarding proper disposal of this product.

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592399 250 ml Indicator 4 (Methyl Orange)
592450 1.0 L Titrating Solution 41 (0.5N Hydrochloric Acid)
592477 1..... 25 ml Buret Assembly
592485 1..... 100 ml Graduated Cylinder, Glass
592488..... 1250 ml Flask

For more information about Henkel products and services, please contact your local Henkel representative.

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