

BONDERITE C-NE N NEUTRAL CLEANER (KNOWN AS NOVACLEAN N)

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BONDERITE C-NE N (Known as NOVACLEAN N) is a neutral rust and scale remover designed for immersion and spray processes on a wide variety of materials including ferrous and non-ferrous metals. It is especially applicable for the removing of residues resulting from deburring processes or laser cutting.

OPERATING CONDITIONS

The bath make-up is depending on the degree of rust or scale on the surface. Non-ferrous metals and other surfaces should be tested prior to use.

Make-up for spray processes:	2 – 5%
Make-up for immersion processes:	3 - 15%
Temperature:	20 - 70°C
Treatment time:	depending on the grade of rust
pH value:	5 - 7

STANDARD PROCEDURE

1. Derusting with BONDERITE C-NE N
2. Rinse (mechanically supported)
3. Passivation
4. Drying

GENERAL RECOMMENDATIONS

The life time of the bath is depending on the concentration and the iron content. If the bath is not used for some days it is beneficial to keep a small quantity of scrap steel in the bath.

If this product is being used in conjunction with the Bonderite C-AD N5 additive, an oil removal process such as a coalescer must be used to ensure bath life.

SOLUTION CONTROL

1. Pipette 5 mls of BONDERITE C-NE N bath sample into an Erlenmeyer flask. Add 50 ml of DI or distilled water into the flask.
2. Add 2 drops of Indicator 3 (phenolphthalein).
3. Add Titrating Solution 11 (0.1 N Caustic is suitable) until purple.
4. Neutralize with Titrating Solution 20 (0.1 N sulfuric Acid) until solution turns colorless.
5. Add 3 to 4 drops of Indicator 11 (bromphenol blue).



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6. Titrate with Titrating Solution 20 (0.1 N sulfuric Acid) to a very light yellow (almost colorless) end point.

CALCULATIONS:

Titration ml (from step 6) x 0.88 = % by volume BONDERITE C-NE N

WASTE WATER ADVICE

Used solutions are to be treated separately from heavy-metal containing sewage.

MATERIAL COMPATIBILITY

300 Series stainless steel tanks and heating equipment are suitable for use with Bonderite C-NE N. Elastomers composed of EPDM, SBR, Butyl, Viton, Hypalon and plastic materials composed of PVC, CPVC, Polypropylene and Santoprene are suitable for use with Bonderite C-NE N. Other materials may be suitable but require testing before use.

SAFETY INSTRUCTIONS

The instructions in the MSDS should be read and understood.

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