

BONDERITE C-IC 2054 IT

Known as NOVACLEAN 2054 IT

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PRODUCT DESCRIPTION

BONDERITE C-IC 2054 IT provides the following product characteristics:

Technology	Industrial Cleaner
Product Type	Acid Cleaner
Application	Parts Cleaning

BONDERITE C-IC 2054 IT is a one pack liquid acid compound for the immersion cleaning of Stainless Steel. BONDERITE C-IC 2054 IT can be used as well with ultrasound, in spray application or shacking systems.

TECHNICAL DATA

Appearance:	clear, brownish liquid
Density at 20°C, DIN 51757	~1.54 g/cm ³
pH-value (20% solution):	~1.3

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.

Application:

BONDERITE C-IC 2054 IT is used at the following working conditions:

	Immerion/ shaking	Spray	Line system
Concentration	10 to 20%	1 to 5%	5 to 20%
Pointage	53 to 106 mL	5.3 to 26.5 mL	26.5 to 106 mL
Temperature	room to 60°C	50 to 60°C	50 to 60°C
Time	5 to 10 min	2 to 5 min	1 to 30 sec

Henkel Technical Service will provide full support to fix the most suitable operating conditions, according to the different plant requirements.

Bath make-up:

- Fill the tank with clean water up to $\frac{3}{4}$ of its volume.
- Start the circulation pumps and heat up to the working temperature.
- Add the fixed quantity (kg) of BONDERITE C-IC 2054 IT.
- Fill up to the final volume, heat up to the working temperature and leave the circulation pumps on until complete homogeneity is achieved.
- Make the final controls.

Bath Control:

BONDERITE C-IC 2054 IT solution is controlled by the following analysis:

Titrant:	0.1 N NaOH
End point:	pH ~5
Indicator:	Methylorange

Titration of free acid:

- Pipette 10 mL bath solution into a clean 250 mL Erlenmeyer-flask.
- Add 20 to 30 mL of distilled water.
- Add some drops of indicator.
- Titrate the solution with 0.1 N NaOH.
- The endpoint will be shown by a colour change from red to yellow.
- The mL of 0.1 N NaOH represent the Free Acidity content. This value should be approximately 53 points for a 10% bath.

Replenishment of the bath:

The bath needs to be replenished, depending on the Free Acidity value. In order to increase this value by 1 point, 1.9 kg of BONDERITE C-IC 2054 IT for every 1,000 L must be added.

The tanks destined to contain the BONDERITE C-IC 2054 IT bath must be made of stainless steel or another antiacid material. The BONDERITE C-IC 2054 IT bath looks slightly turbid after long stops. Some components might separate and float on the surface, or sediment on the tank floor: in this case start again the recirculating pump to achieve complete homogeneity. Slight differences in the product appearance do not affect its performances.

Classification:

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

Hazards identification

Transport information

Regulatory information

Storage:

Recommended Storage Temperature	4 to 35°C
Shelf-life, months	24

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

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Reference 0.1