

BONDERITE C-AK 7163

Known as Ridoline 7163 JA
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PRODUCT DESCRIPTION

BONDERITE C-AK 7163 provides the following product characteristics:

Technology	Industrial Cleaner
Product Type	Alkaline Cleaner
Application	Parts Cleaning

BONDERITE C-AK 7163 is a liquid, alkaline cleaner for steel and zinc applicable in spray and immersion processes without phosphate inside. BONDERITE C-AK 7163 is to be used with a suitable cleaning booster.

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:

Amount of product for 1,000 L bath:

Fill the tank with warm water, start pumping and add:

BONDERITE C-AK 7163 10.4 to 13.9 L = 15 to 20 kg
cleaning booster cleaning booster approx. 10%
calculated from the
BONDERITE C-AK 7163

Operating Data:

Adjusting the following parameters could be necessary depending on the line conditions.

	Spray Immerge	
Free alkalinity	4 to 8	6 to 10
Total alkalinity/ Free alkalinity	<2.5	<2.5
Temperature	43 to 60 °C	43 to 60 °C
Duration of treatment	0.5 to 2 min	2 to 3 min

Bath Control:

BONDERITE C-AK 7163 solution is controlled by the titration of free alkalinity:

Titration of Free Alkalinity:

- Pipette 10 mL bath solution to a Erlenmeyer-flask and add 50 mL deionized water.
- Add 4 to 5 drops of indicator Phenolphthalein, 0.1 % solution.
- Titrate the solution against 0.1 N sulphuric acid. The point will be shown by a color change from red to colorless.
- The consumption of 0.1 N sulphuric acid in ml is equal to points of free alkalinity.

Replenishing:

For each missing point for a volume of 1,000 L add:

BONDERITE C-AK 7163 2.4 kg approx. 10% calculated
cleaning booster from the BONDERITE C-AK
7163

General Remarks:

BONDERITE C-AK 7163 is applicable in steel tanks according to DIN 17100-2, preferably stainless steel according to DIN 1.4301.

Waste water disposal must be carried out according to the directives of local authorities.

Caution:

Aid and handling recommendations on the material safety data sheet should be read, understood and followed by everybody getting in contact with the product.

Classification:

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

Hazards identification
Transport information
Regulatory information

Storage:

Recommended Storage Temperature 10 to 40°C
Shelf-life, months 12



ADDITIONAL INFORMATION

Disclaimer

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

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