

BONDERITE C-AK HI 500

Known as Ridoline HI 500
July 2016

PRODUCT DESCRIPTION

BONDERITE C-AK HI 500 provides the following product characteristics:

Technology	Industrial Cleaner
Product Type	Alkaline Cleaner
Application	Metal Pre-Treatment

BONDERITE C-AK HI 500 is a powder alkaline degreasing agent based on phosphate for steel, aluminium and zinc plated parts.

BONDERITE C-AK HI 500 is used in spray process.

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 for 1,000 L:

Fill 2/3 of the bath with warm water and add with stirring, circulating pump:

BONDERITE C-AK HI 500 5 to 20 kg

Note: It is advisable to pre-dissolve the product in warm water prior adding it to the bath.

Operating Data:

Free Alkalinity (FA), points	3.2 to 12.8
Total Alkalinity (TA), points	6.5 to 26
Temperature, °C	40 to 60
Treatment time, min	2 to 3
Spray pressure, kg/cm ²	1.5 to 2

Bath Control:

The BONDERITE C-AK HI 500 bath is controlled by determination of the Total Alkalinity points.

Determination of Total Alkalinity (TA):

- Pipette 10 mL bath solution into 300 mL Erlenmeyer-flask.
- Dilute with 100 mL of distilled water, and add 3 to 5 drops of 0.1 % aqueous solution of methyl orange.

- Fill the 50 mL burette to the zero mark with 0.1 N acid (Hydrochloric acid or Sulfuric acid).
- Slowly add 0.1 N acid solution from a burette until the colour changes from yellow to red.
- The mL of 0.1 N acid used for the titration represent points of Total Alkalinity.

Bath Replenishment:

For each missing point of total alkalinity and for each 1,000 L of bath solution add:

BONDERITE C-AK HI 500 0.77 kg

General Remarks:

BONDERITE C-AK HI 500 can be used in steel tanks. The waste water must be treated according to the local discharge regulation. The directions for use are based on normal conditions. Our technical service can suggest the most suitable applications for different conditions. When operating at 45 to 50 °C effectiveness can be increased by the addition of BONDERITE C-AD HI 202.

Storage

Recommended Storage Temperature, °C	-15 to 40
Shelf-life, months (in unopened original packaging)	12

Classification

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

Hazards identification
Transport information
Regulatory information

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

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