

BONDERITE C-AK 74Known as Ridoline 74
January 2017**PRODUCT DESCRIPTION**

BONDERITE C-AK 74 provides the following product characteristics:

Technology	Cleaner
Product Type	Liquid Alkaline Cleaner
Application	Metal Strip and Spray Application

BONDERITE C-AK 74 is a one component liquid strongly alkaline cleaner containing phosphates and surfactants.

Application Areas:

BONDERITE C-AK 74 can be used in spray and immersion lines for steel, zinc, and zinc alloys.
BONDERITE C-AK 74 is preferably designed for coil coating lines.

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:

The following quantities are required for each 1,000 L of bath.

BONDERITE C-AK 74 8 to 40 L = 10 to 50 kg

Operating Data:

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

pH-value (at 10 g/L)	12.3
Free alkalinity, points	2.4 to 12
Total alkalinity/ Free alkalinity	<2
Temperature, °C	45 to 85

Bath Control:

BONDERITE C-AK 74 cleaner bath can be controlled by the measurements of conductivity and by the titration of the free alkalinity and total alkalinity.

If the ratio "points total alkalinity/ points free alkalinity" exceeds 2 the bath must be (partially) renewed.

Titration:Titration of the Free Alkalinity:

- Pipette a 10 mL sample into an Erlenmeyer-flask and dilute with 50 mL of deionized water.
- Add 4 to 5 drops of Phenolphthalein indicator.
- While swirling the sample slowly run in from a burette 0.1 N sulfuric acid. The endpoint of the titration is indicated by a colour change from red to colourless (pH 8.5).
- The used mL of 0.1 N Acid provide the free alkalinity (FA).

BONDERITE C-AK 74, g/L = FA * 4.65

Titration of the Total Alkalinity:

- Pipette 10 mL of bath solution into an Erlenmeyer flask and add 50 mL Deionised water.
- Add 4 to 5 drops of indicator (Bromcresolgreen).
- While swirling the sample slowly run in from a burette 0.1 N sulfuric acid. The endpoint of the titration is indicated by a colour change from blue to yellow (pH 3.8).
- The used mL of 0.1 N sulfuric acid provide the total alkalinity (TA).

Replenishing:

Add per 1,000 L of the bath for each lacking point free alkalinity (FA) add:

BONDERITE C-AK 74 3.7 L = 4.6 kg

Classification:

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

Hazards identification**Transport information****Regulatory information****Storage:**

Recommended Storage Temperature, °C -5 to 40
Shelf-life, months 36
(in unopened original packaging)

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

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Reference 0.1