BONDERITE

Technical Data Sheet

BONDERITE C-AK 187 W

Known as Novaspray 187 W
August 2015

PRODUCT DESCRIPTION

BONDERITE C-AK 187 W provides the following product characteristics:

Technology	Cleaner
Product Type	Liquid alkaline cleaner
Application	Steel Strip

BONDERITE C-AK 187 W is used for the cleaning of steel strip before continous annealing, galvanizing and tin plating. The product can be applied in immersion, electrolytic and/or spray-brush sections of the line. It is composed of alkali, alkali salts of organic acids and surfactants.

TECHNICAL DATA

Appearance	colourless to yellow liquid
Density, (at 20°C), g/mL	~1.34
pH-value (concentrate)	~13.2
Electrolytic conductivity, mS/cm (in a solution 50 g/L at 20°C)	~67

Operating Conditions:

Immersion	
Concentration, % v/v	2 to 5
Temperature, °C	50 to 90
Spray	
Concentration, % v/v	1.5 to 3.5
Temperature, °C	50 to 80
Pressure, Bar	1 to 2
Electrolytic	
Concentration, % v/v	5 to 10
Temperature, °C	50 to 90
Current Density, A/dm²	2 to 10

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.

Dilution:

The dosing of BONDERITE C-AK 187 W can be carried out using automatic dosing equipment.

Control:

The concentration of BONDERITE C-AK 187 W in the line can be maintained by the determination of the conductivity of the use solution.

Alternatively, a titration method can be used to determine the product concentration.

Method A

1. Add 10 mL of bath solution into a 250 mL conical flask.
2. Add 10 drops Phenolphthalein indicator.
3. Titrate with 0.1 N Acid until colourless endpoint is reached.

Concentration of BONDERITE C-AK 187 W (g/L)
= mL acid x 1.41

Concentration of BONDERITE C-AK 187 W (% v/v)
= mL acid x 1.05

Method B

1. Add 10 mL of bath solution into a 250 mL conical flask and add 50 mL demineralised water.
2. Insert pH electrode.
3. Titrate with 0.1 N Acid until a pH of 8.5 is reached.

Concentration of BONDERITE C-AK 187 W (g/L)
= mL acid x 1.41

Concentration of BONDERITE C-AK 187 W (% v/v)
= mL acid x 1.05

Classification:
Please refer to the corresponding **Material Safety Data Sheets** for details on:
Hazards identification
Transport information
Regulatory information

Storage:

Recommended Storage Temperature, °C	-10 to 40
Shelf-life, months (in unopened original packaging)	36

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ADDITIONAL INFORMATION

Disclaimer

Note:

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.
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Reference 0.1