

## BONDERITE® C-AK 187 L

October 2024

### Product description

BONDERITE® C-AK 187 L provides the following product characteristics:

<b>Technology</b>	Cleaner
<b>Product type</b>	Liquid alkaline cleaner
<b>Application</b>	Steel strip
<b>Appearance</b>	Colourless to yellow liquid

BONDERITE® C-AK 187 L is used for the cleaning of steelstrip before continuous annealing, galvanizing and tin plating. The product can be applied in immersion, electrolytic and/or spray-brush sections of the line. BONDERITE® C-AK 187 L can be used in electrolytic sections with current densities upto 100 A/dm<sup>2</sup>. It is composed of alkali, alkali salts of organic acids and surfactants.

BONDERITE® C-AK 187 L can also be used for the cleaning of other metal surfaces such as aluminium and its alloys.

### Technical data

Density, (at 20°C), g/mL	~1.37
pH-value (concentrate)	~14.0
Electrolytic conductivity, mS/cm (in a solution 50 g/L at 20°C)	~70

### 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/dm <sup>2</sup>	2 to 10

### Direction 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 L can be carried out using automatic dosing equipment.

#### Control

The concentration of BONDERITE® C-AK 187 L 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 Methyl Orange or Bromophenol Blue indicator
3. Titrate with 0.1N Acid until red (or yellow/green for Bromophenol Blue indicator) end point is reached

Concentration of BONDERITE® C-AK 187 L (g/L) = mL acid x 1.35

#### Method B

1. Add 10 mL of bath solution into a 250 mL conical flask
2. Insert pH electrode
3. Titrate with 0.1N Acid until a pH of 3.6 is reached

Concentration of BONDERITE® C-AK 187 L (g/L) = mL acid x 1.35

#### Classification:

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

**Transport Regulations**  
**Hazardous Information**  
**Safety Regulations**

#### Shelf life

Shelf-life (in unopened original packaging), months	24
Recommended storage temperature, °C	5 - 40

## Additional information

### Disclaimer

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