

## BONDERITE C-AK 18

Known as Almecco clean 18

November 2022

### PRODUCT DESCRIPTION

BONDERITE C-AK 18 provides the following product characteristics:

<b>Technology</b>	Industrial Cleaner
<b>Product Type</b>	Aluminum Cleaner
<b>Application</b>	Immersion Process

Cleaning and degreasing of aluminium parts in an immersion process. No problems concerning further treatment of the pieces.

#### Composition:

- Carbonates
- Phosphates
- Borates
- Nonionic surfactants

### TECHNICAL DATA

Appearance	free-flowing white powder
Specific Gravity, kg/m <sup>3</sup>	~890
Solubility (20 °C), g/L	100
pH-value (in a solution of 10 g/L)	9.2

### 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.

#### Process:

Immersion processes, agitation by compressed air or pumping possible.

#### Operating Data:

Concentration, g/L	40 to 60
Temperature, °C	50 to 80
Treatment time, min. (depending upon soiling)	1 to 20
Free alkalinity	4.5 to 7.5

#### Bath Control:

Titrate 10 mL of the solution against 0.1 N Hydrochloric Acid using Methyl Orange as the indicator. Consumption multiplied with factor 0.11 gives the concentration in percent.

#### Foam Behaviour:

Slightly foaming at the application temperature, not sprayable.

#### Equipment:

Mild steel. The tanks must not be activated by sand-blasting or corrosive acids.

#### Effluent Information:

There are no toxic substances in BONDERITE C-AK 18, but the alkali value of spent solutions may be too high.

Neutralization with acid, and subsequent filtration, may be required before the neutralized solution can be discharged to the drainage.

1.1 kg of a 25 % solution of Sulphuric Acid is needed for the neutralisation of 1 kg BONDERITE C-AK 18.

#### Classification:

Please refer to the corresponding **Material Safety Data**

**Sheets** for details on:

**Hazards identification**  
**Transport information**  
**Regulatory information**

#### Storage:

Recommended Storage Temperature, °C	4 to 40
Shelf life, months (in unopened original packaging)	24

## ADDITIONAL INFORMATION

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