

BONDERITE C-AK 208

Known as Novaclean 208 January 2015

PRODUCT DESCRIPTION

BONDERITE C-AK 208 provides the following product characteristics:

Technology	Cleaner
Product Type	Liquid alkaline cleaner
Application	Aluminium strip

BONDERITE C-AK 208 is primarily designed for the cleaning of Aluminium and its alloys. It is formulated for use in high speed strip lines for the fast, effective removal of rolling/protective oils and for the removal of the thin oxide film present on the Aluminium. It can be used in immersion or spray applications. It is composed of alkali, phosphates, surfactants and alkali salts of organic acids.

TECHNICAL DATA

Appearance	colourless to yellow liquid
Density, (at 20°C), g/mL	~1.35
pH-value (in a solution of 10 g/L)	~12.5

Operating conditions:

Immersion	
Concentration, % v/v	3 to 10
Temperature, °C	50 to 75
Spray	
Concentration, % v/v	2 to 5
Temperature, °C	50 to 75
Pressure, Bar	1 to 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.

Dilution:

The dosing of BONDERITE C-AK 208 can be carried out using automatic dosing equipment.

Control:

The concentration of BONDERITE C-AK 208 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.

Fresh cleaner solution

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

Concentration of BONDERITE C-AK 208 (% v/v) = mL acid

Used cleaner solution

1. Add 10 mL of bath solution into a 250 mL conical flask and add 50 mL Deionised water

2. Add 3 to 5 drops Phenolphthalein indicator

3. Titrate slowly with 1 N Acid until a colourless solution is formed

4. The mL of titrant used is value A

5. Add potassium fluoride (or sodium fluoride) to the solution. The solution will become violet again. Refill the burette to the zero mark.

6. Titrate slowly once again with 0.1N Acid until the solution again becomes colourless. Continue this process until further additions of potassium or sodium Fluoride does not regenerate the violet colour.

7. The mL of titrant used is value B

Concentration BONDERITE C-AK 208 (% v/v) = (A - 0.33B)

Concentration sodium aluminate (g/L) = 2.7 x Value B

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 35
Shelf-life, months	36
(in unopened original packaging)	



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. Any liability in respect of the information in the Technical Data Sheet or any

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