

**BONDERITE C-AK 177 D**

May 2019

**PRODUCT DESCRIPTION**

BONDERITE C-AK 177 D provides the following product characteristics:

|                     |                    |
|---------------------|--------------------|
| <b>Technology</b>   | Industrial Cleaner |
| <b>Product Type</b> | Liquid Cleaner     |
| <b>Application</b>  | Metal Pretreatment |

BONDERITE C-AK 177 D is a heavy duty, silicated, liquid cleaner, formulated for spray cleaning of steel and zinc coated steel.

BONDERITE C-AK 177 D conforms to the general requirements for Method B1 of DEF STAN 03-2/1 and British Standard CP3012.

**Application Areas:**

BONDERITE C-AK 177 D incorporates a scale-control system to prevent scale deposition in the cleaning section and, even in dilute solution, in subsequent water rinse sections.

The surfactants are chosen to give rapid penetration and emulsification of a wide range of rolling and pressing oils, whilst remaining low foaming at operating temperatures above 50° C.

**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.

**Application:**

BONDERITE C-AK 177 D is primarily designed for use in spray cleaning lines. The buffered alkalinity makes it suitable for use on hot-dip and electro-galvanized steel. It is also effective for other soak electro or spray cleaning operations.

**Operating Data:**

|                 |               |
|-----------------|---------------|
| Concentration:  | 1 to 3% (v/v) |
| Temperature:    | 50 to 75 °C   |
| Spray pressure: | <15 bar       |
| Time:           | 0.5 to 3 min  |

**Equipment:**

Mild steel is suitable for construction of tanks, pipework and other equipment.

Brass or light alloy fittings must NOT be used.

**Bath Control:**

Titrate 25 mL aliquot of working solution with N/10 acid to phenolphthalein end point.

Concentration: (% v/v) = 0.07 x titration (mL N/10 acid)

**Precautions:**

BONDERITE C-AK 177 D contains caustic alkalis. Avoid contact with skin, eyes and clothing.

Normal precautions for handling caustic products should be observed, including wearing of protective PVC or rubber gloves, apron and face shield or goggles approved to BS 2092C.

In case of spillage or contact with skin or clothing, drench with water. For eyes, rinse with plenty of clean water and continue irrigation for at least ten minutes, whilst obtaining medical attention.

For further information consult the product handling information sheet.

**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<br>(in unopened original packaging) | 24      |

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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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