

BONDERITE C-AK 6305 LH

Known as Turco 6305-LH

October 2020

PRODUCT DESCRIPTION

BONDERITE C-AK 6305 LH provides the following product characteristics:

Technology	Cleaner
Product Type	Liquid Cleaner
Application	Multi Purpose

BONDERITE C-AK 6305 LH is a concentrated liquid cleaning and degreasing agent.

The product is diluted with water and achieves high efficiency even when used in low concentrations.

The product can be used for various applications, due to the strong cleaning effect on dry or oily soils and on a wide range of metallic and non-metallic materials.

BONDERITE C-AK 6305 LH is free of any solvents, caustic and hard complexing agents such as EDTA or NTA.

BONDERITE C-AK 6305 LH is a liquid product therefore it is easy to use it in automatic processes and to handle during storage, disposal or topping up.

TECHNICAL DATA

Composition	Silicate, Salts of organic acids, Surfactants
Appearance	clear, colourless liquid
Density (20°C), g/mL	1.11 to 1.12
pH (50 g/L in water, 20°C)	11.7
Wastewater treatment	neutralization

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 6305 LH is suitable for use on:

- Ferrous metals such as steel or cast iron steel
- Stainless steel
- Aluminum, aluminum alloys including aluminum die-cast

parts

- Galvanized or sendzimir galvanized steel and zinc die-cast parts
- Non-ferrous metal such as copper, brass, bronze
- Magnesium
- Titanium and tin
- Glass, plastics, cured paint finishes

BONDERITE C-AK 6305 LH is mainly used in aqueous cleaning processes in stationary or agitated heated immersion bath.

The cleaned surface area will be water-break free - except where the base material is water repellent.

Therefore, BONDERITE C-AK 6305 LH is suitable both for pre-cleaning prior to painting as an intermediate cleaner after processing steps, or for overhaul, such as cleaning all kind of motor parts in the immersion bath.

BONDERITE C-AK 6305 LH is also very good as ultrasonic cleaner and suitable for high pressure cleaners.

Apart from being used in the immersion bath BONDERITE C-AK 6305 LH can also be used at room temperature as an all purpose cleaner, for example, as a floor cleaner or cleaning agent for oily and dirty surfaces in workplace.

Excellent cleaning results are achieved both by spraying at low pressure and washing with high pressure.

Operating Parameters:

Concentration:

High pressure sprayer, %	0.2 to 1.0
Immersion and ultrasonic, %	4 to 8
All purpose cleaner, %	2 to 10
Low pressure spray on and high pressure rinse off, %	10 to 25
Temperature, °C	20 to 70

Titration Factor:Equipment:

- Beaker 400 mL
- Graduated Cylinder 200 mL
- Buret 25 mL
- pH-Meter

Reagents:

- Hydrochloric acid 1N

Operating Procedure:

- Pick up a sample from the bath and let it cool down to room temperature.
- Using the graduated cylinder, measure 200 mL and pass to the 400 mL beaker.
- Using the 25 mL buret, titrate using HCl 1N to pH = 8.5.
- V (mL) is the titrant volume needed to reach pH 8.5.

Calculation:

BONDERITE C-AK 6305 LH concentration is obtained through:
 $C (\%vol) = V (mL) \times 1.1$

Storage:

Recommended Storage Temperature, °C	5 to 60
Shelf-life, months (in unopened original packaging)	18

Classification:

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

Hazards identification
Transport information
Regulatory information

ADDITIONAL INFORMATION**Disclaimer**

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 other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

In case products are delivered by Henkel Belgium NV, Henkel Electronic Materials NV, Henkel Nederland BV, Henkel Technologies France SAS and Henkel France SA please additionally note the following:

In case Henkel would be nevertheless held liable, on whatever legal ground, Henkel's liability will in no event exceed the amount of the concerned delivery.

In case products are delivered by Henkel Colombiana, S.A.S. the following disclaimer is applicable:

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. 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 other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

In case products are delivered by Henkel Corporation, or Henkel Canada Corporation, the following disclaimer is applicable:

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

Trademark usage

Except as otherwise noted, all trademarks in this document are trademarks of Henkel Corporation in the U.S. and elsewhere. ® denotes a trademark registered in the U.S. Patent and Trademark Office.

Reference 0.1