

BONDERITE L-CA HKKS ACHESON

Known as HYDROKOLLAG KOKILLEN SCHLICHTE

August 2016

PRODUCT DESCRIPTION

BONDERITE L-CA HKKS ACHESON provides the following product characteristics:

Technology	Lubricant
Product Type	Graphite in water
Application	Gravity and low pressure die casting

BONDERITE L-CA HKKS ACHESON is a dispersion of high purity semi-colloidal graphite in water, proven over a long history as quality release agent in gravity and low pressure die casting of non-ferrous metals.

The fine graphite coating eases the release of castings and protects insulating coatings from premature wear.

Special Features:

- High covering power.
- Superior release and temperature resistance.
- Pore-free casting.

BONDERITE L-CA HKKS ACHESON is economic in use due to its high covering power. The constant quality of the product ensures excellent reproducibility.

BONDERITE L-CA HKKS ACHESON provides superior release and good high temperature resistance. Due to the absence of gas emitting raw materials pore-free castings are obtained.

Application:

Release agent for gravity and low pressure die casting of aluminium and other non-ferrous metals. BONDERITE L-CA HKKS ACHESON is a top coating to be applied over insulating coatings from the BONDERITE L-CA CG series. For maximum reproducibility it is advised to apply a thin coating after every casting. Sometimes it is preferred to apply a thicker coating that allows several, less complex castings in a row. It is designed to be applied (manually) by dip, spray or brush.

TECHNICAL DATA

Appearance	homogeneous grey-black high viscous liquid
Pigment	high purity semi-colloidal graphite
Carrier	water
Diluent	soft or demineralized water
Solids content, %	21.5

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:

BONDERITE L-CA HKKS ACHESON is a concentrate and should be diluted with water before application by spray, dip or brush.

To dilute BONDERITE L-CA HKKS ACHESON, soft water is stirred slowly into the concentrate.

In open systems, as in dip application, it is suggested to keep the pH between 8 and 9.

Ammonia is preferred to adjust the pH of diluted BONDERITE L-CA HKKS ACHESON.

On storage a sediment may form in the container. The concentrate should be homogenized before use. Agitation may be sufficient but stirring is preferred. The diluted product should also be agitated occasionally during use.

Dilution Ratios:

BONDERITE L-CA HKKS ACHESON is usually applied by dip or spray, diluted one part with 5 to 50 parts of soft water. The product may be applied neat on insulating coatings by brush.

Storage:

Store BONDERITE L-CA HKKS ACHESON in a cool place, but do not allow it to freeze. Product should not be used once frozen.

Always tightly reseal the container to prevent contamination.

Shelf-Life:

- 24 months from date of qualification under original seal.

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 0.0