

BONDERITE L-CA CP 1002N

February 2023

PRODUCT DESCRIPTION

BONDERITE L-CA CP 1002N provides the following product characteristics:

Technology	Lubricant
Product Type	Release agent
Application	High pressure die casting

BONDERITE L-CA CP 1002N is a state-of-the-art pressure die-casting release agent for micro-spray application and minimal quantity lubrication.

Our release agents are known for their superb release properties and excellent wetting characteristics at high temperatures, resulting in a very high efficiency.

When used correctly they allow for unhindered use of subsequent painting and plating operations. Furthermore the products are hard water stable.

Special Features:

- Wax free formulation
- High Shear Stability
- Excellent surface finish

BONDERITE L-CA CP 1002N is a wax free release agent with similar lubricity compared to wax containing products. Due to the absence of wax it offers reduced nozzle and filter blockages together with reduced lubricant build-up on the dies and surrounding areas resulting in less downtime for cleaning.

BONDERITE L-CA CP 1002N has been formulated to give improved stability under the shearing conditions encountered in modern dilution and central-supply equipment.

BONDERITE L-CA CP 1002N is capable of delivering stain-free, bright and cleaner castings consistently, thus reducing scrap rate and costs.

Application Areas:

Wax free release agent for pressure die casting of aluminium and magnesium alloys.

BONDERITE L-CA CP 1002N is perfectly suited for almost any type of casting, particularly when a good surface finish is of importance.

BONDERITE L-CA CP 1002N is designed for spray application.

It can be applied manually or automated, by means of reciprocators or robot based spray systems.

TECHNICAL DATA

(as supplied):

Appearance	low viscous, off-white fluid
Pigment	none
Carrier	water
Diluent	water
Solids content, %	20

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 CP 1002N emulsions are supplied as a concentrate to be diluted before use, allowing flexibility and economy of use. It is diluted with water, with the ratio determined by the conditions of use and the degree of die cooling required. The diluted product does not require agitation to ensure its homogeneity.

Dilution Ratio:

- 1 part of BONDERITE L-CA CP 1002N to 60 - 160 parts of water

Classification:

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

Sheets for details on:

- Hazards identification
- Transport information
- Regulatory information

Storage:

Frost-Sensitive	yes
Shelf-life (in unopened original packaging), months	24

Store BONDERITE L-CA CP 1002N in a cool place, but do not allow it to freeze. Product should not be used once frozen. Storage in direct sunlight may overheat BONDERITE L-CA CP 1002N and impair performance. Always tightly reseal the container to prevent evaporation or contamination.



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 1.0