

BONDERITE L-CA CP 1002 ACHESON

Known as Deltacast CP-1002

November 2014

PRODUCT DESCRIPTION

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

| | |
|---------------------|---------------------------|
| Technology | Lubricant |
| Product Type | Release agent |
| Application | High pressure die casting |

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

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

Application:

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

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

BONDERITE L-CA CP 1002 ACHESON 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 |

DIRECTION OF 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 1002 ACHESON 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 1002 ACHESON to 60 - 160 parts of water

Storage:

Store BONDERITE L-CA CP 1002 ACHESON 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 1002 ACHESON and impair performance.

Always tightly reseal the container to prevent evaporation or 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

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.

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