BONDERITE

Technical Data Sheet

BONDERITE L-CA CP 503-3

February 2017

PRODUCT DESCRIPTION

BONDERITE L-CA CP 503-3 provides the following product characteristics:

Technology	Lubricant
Product Type	Release agent
Application	High pressure die casting

BONDERITE L-CA CP 503-3 is a state-of-the-art pressure die-casting release agent supplied in concentrated form.

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:

- High Shear Stability

- Excellent Cleanliness

BONDERITE L-CA CP 503-3 has been formulated to give improved stability under the shearing conditions encountered in modern dilution and central-supply equipment.

BONDERITE L-CA CP 503-3 allows production of very bright, clean stain-free castings.

Application:

Release agent for pressure die casting of aluminium and magnesium alloys. BONDERITE L-CA CP 503-3 is perfectly suited for almost any type of castings, particularly heavy, long and thick walled castings, such as gearboxes and engine blocks. BONDERITE L-CA CP 503-3 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
Solid content, %	22

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 503-3 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 503-3 to 20 - 120 parts of water.

Storage:
Store BONDERITE L-CA CP 503-3 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 503-3 and impair performance.

Always tightly reseal the container to avoid 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

Henkel

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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