

BONDERITE M-AD 339 L

December 2017

PRODUCT DESCRIPTION

BONDERITE M-AD 339 L provides the following product characteristics:

Technology	Metal Pre-Treatment
Product Type	Additive for zinc phosphating baths
Application	immersion or spray process

Storage:

Recommended Storage Temperature, °C -5 to 40
Shelf-life, months 24
(in unopened original packaging)

Application Areas:

BONDERITE M-AD 339 L is used in spray- and spray/immersion processes. It must be combined with a suitable cleaning booster.

BONDERITE M-AD 339 L is a liquid product to increase the fluoride content in zincphosphate baths.

TECHNICAL DATA

Appearance clear solution
Density, g/cm³ ~1.15
pH-Value Acidic

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.

Bath make-up, for 1,000 L:

To increase the fluoride content by 0.1 g/L add to the 1,000 L bath:

(0.1 g/L fluoride correspond in a zincphosphate bath to approx. 0.033 g/L (33 ppm or mg/L) free fluoride):

BONDERITE M-AD 339 L 1.03 kg = 0.9 L

With this addition the free acid increases 0.15 to 0.2 points and total acid increases 0.2 points.

Classification:

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

Hazards identification
Transport information
Regulatory information

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