

BONDERITE M-AD NI-3

Known as Granodine Starter 19/ Additive Ni-3/ Parco Additive Ni-3
August 2020

PRODUCT DESCRIPTION

BONDERITE M-AD NI-3 provides the following product characteristics:

Technology	Metal Pre-Treatment
Product Type	Additive
Application	Zinc phosphating baths

BONDERITE M-AD NI-3 is a liquid product to increase the nickel content in zincphosphating baths.

TECHNICAL DATA

Composition	inorganic salts, inorganic acid, water, nitrate
Appearance	green liquid
Density:	~ 1.5 g/cm ³
pH:	3.1 to 4.3

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.

Application:

BONDERITE M-AD NI-3 is used to increase the nickel content in zinc phosphate baths.

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

BONDERITE M-AD NI-3 0.8 kg = 0.5 L

Classification:

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

Hazards identification
Transport information
Regulatory information

Storage:

Recommended Storage Temperature	0 to 50°C
Shelf-life, months (in unopened original packaging)	36

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. 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.

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