

## BONDERITE M-AD 3080

Known as Toner 3080

September 2016

### PRODUCT DESCRIPTION

BONDERITE M-AD 3080 provides the following product characteristics:

<b>Technology</b>	Metal Pre-treatment
<b>Product Type</b>	Additive for bath solutions
<b>Application</b>	Conversion coating

BONDERITE M-AD 3080 is a solid crystalline product used as reducing additive in Ironside Zinc Phosphate processes (i.e. BONDERITE M-ZN 4700 family) before cold forming operations of steel materials.

BONDERITE M-AD 3080 is able to avoid the reduction of Nitrates (NO<sub>3</sub>) to Nitrites (NO<sub>2</sub>) inside Zinc Phosphate baths working at high temperatures and with high Free Acidity values.

### 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 3080 is generally added at the start-up phase of Ironside Zinc Phosphate processes. The average concentration is ranging 0.8 to 1.2 g/L.

#### General Remarks:

Slight differences in product appearance do not affect its efficiency or operating performances.

#### Storage:

Recommended Storage Temperature, °C    5 to 35  
Shelf-life, months                                36  
(in unopened original packaging)

#### 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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