

BONDERITE M-AD 3180

November 2017

PRODUCT DESCRIPTION

BONDERITE M-AD 3180 provides the following product characteristics:

Technology	Metal Pre-Treatment
Product Type	Passivating agent
Application	Alkaline

BONDERITE M-AD 3180 is an alkaline product used as passivating agent in the final phase of phosphate conversions coatings (carbon steel) or oxalic acid baths (stainless steel). Particular complexing agent contained in BONDERITE M-AD 3180 guarantee a good lasting of bath. When used before lubrication it guarantees good protection of stearate tank.

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 3180 is used in aqueous solution in typical immersion processes, at the following parameters:

Operating Data:

Temperature, °C	70 to 90
Working time, min	3 to 10
pH-value	8.5 to 9.7

Bath Make-up:

For a 100 L bath use the following amounts of product, previously diluted in water.

1.5 to 10 kg of BONDERITE M-AD 3180.

Bath Control:

Control the bath through determination of pH value. Replenishments must be made to maintain the value as constant as possible.

Replenishment:

For an optimal neutralizing / passivating action frequent controls are needed. Whenever the amount of BONDERITE M-AD 3180 used for replenishment exceeds the amount of the product used at the start up, renew complete the bath.

Particular Cautions:

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

Classification:

Please refer to the corresponding **Material Safety Data**

Sheets for details on:

Hazards identification

Transport information

Regulatory information

Storage:

Recommended Storage Temperature, °C -20 to 50

Shelf-life, months 36

(in unopened original packaging)

Store in ventilated place.

ADDITIONAL INFORMATION**Disclaimer****Note:**

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