

**BONDERITE M-AD 4977**

Known as Additive 4977

October 2020

**PRODUCT DESCRIPTION**

BONDERITE M-AD 4977 provides the following product characteristics:

<b>Technology</b>	Metal Pretreatment
<b>Product Type</b>	Additive
<b>Application</b>	pH adjustment

BONDERITE M-AD 4977 is a liquid product to correct/increase the pH-value in Prepalene X-baths.

**Composition:**

Inorganic salts  
Water

**TECHNICAL DATA**

Appearance	clear to yellow liquid
pH:	alkaline
Density:	~1.5 g/cm <sup>3</sup>

**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 4977 must be added in small portions (e.g. 0.1 kg= 0.07 L per 1,000 L bath).

The pH-value has to be checked after each addition and thorough mixing.

**Waste Water Treatment:**

Waste water neutralization, if needed. The waste water treatment must meet the requirements of the local water authorities.

**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

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