BONDERITE

Technical Data Sheet

BONDERITE M-NT 811

March 2021

PRODUCT DESCRIPTION

BONDERITE M-NT 811 provides the following product characteristics:

Technology	Surface Treatment
Product Type	Conversion coating
Application	Aluminium Coils

BONDERITE M-NT 811 is a chromium-free, No-Rinse conversion treatment for aluminium and its alloys in strip lines.

The process is designed for use with a chemcoater in reverse operation.

Application Areas:
BONDERITE M-NT 811 is particularly suited for the pretreatment of can-end stock and food packaging.

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 100 L:

- 100 L BONDERITE M-NT 811 are added to 100 L of deionized water in the make-up tank whilst using continuous agitation.
- Further deionized water is added to give a total volume of 500 L again, whilst using continuous agitation.
- This corresponds to a make-up concentration of 20 % (v./v.).

With a wet film of 4 mL/m² , the following dry film coating weights expressed as zirconium are obtained:

% (v./v.)	mg/m²
13.6	7
19.4	10
29.1	15

The zirconium coating weight can be measured by X-Ray Fluorescence.

It is recommended to operate in a range of 8 to 12 mg/m² .

The application temperature is in the range of 15 to 25 °C.

Application:
Procedure under standard conditions normally consists of the following steps:

1. Cleaning
2. Rinsing
3. DI-water rinsing
4. Drying
5. Conversion treatment with BONDERITE M-NT 811
6. Drying with hot air (PMT 70 to 100 °C)

Replenishing:
Replenishing is not necessary under normal operation.

Equipment:
Tanks and piping for the BONDERITE M-NT 811 solution shall be constructed with HD-PP or hard PVC.

Waste Water Treatment:
BONDERITE M-NT 811 treatment solution and related waste water from equipment maintenance must not be discarded into public sewers without prior neutralization.

Caution:
BONDERITE M-NT 811 contains complex fluoride compounds.

Classification:
Please refer to the corresponding **Safety Data Sheet** for details on:
Hazards identification
Transport information
Regulatory information

Storage:

Recommended Storage Temperature, °C	0 to 50
Shelf-life, months (in unopened original packaging)	12

ADDITIONAL INFORMATION

Disclaimer
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.

Reference 1.0

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.

In case products are delivered by Henkel Belgium NV, Henkel Electronic Materials NV, Henkel Nederland BV, Henkel Technologies France SAS and Henkel France SA please additionally note the following:
In case Henkel would be nevertheless held liable, on whatever legal ground, Henkel's liability will in no event exceed the amount of the concerned delivery.

In case products are delivered by Henkel Colombiana, S.A.S. the following disclaimer is applicable:
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. Henkel is 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.

In case products are delivered by Henkel Corporation or Henkel Canada, Inc.the following disclaimer is applicable:
The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

Trademark usage
Except as otherwise noted, all trademarks in this document are trademarks of Henkel Corporation in the U.S. and elsewhere. ® denotes a trademark registered in the U.S. Patent and Trademark Office.

This document was created and digitally signed by tdx.henkel.com at 2025-11-27T14:35:29.036Z