

# **BONDERITE C-IC 4104 AERO**

Known as Turco 4104 August 2023

#### PRODUCT DESCRIPTION

BONDERITE C-IC 4104 AERO provides the following product characteristics:

Technology	Metal Cleaning
Product Type	Acid cleaner
Application	Immersion

BONDERITE C-IC 4104 AERO is a clear, colorless liquid acidic compound designed to be added to nitric acid/water solutions to enhance the descaling and pickling of stainless steels and heat resistant alloys, including titanium alloys, by immersion methods.

BONDERITE C-IC 4104 AERO has also been found to be effective in descaling or pickling cobalt, chrome, nickel and copper based alloys.

#### **Application Areas**

BONDERITE C-IC 4104 AERO offers these features:

- 1. Can be added to nitric acid to meet specific requirements based upon alloy constituents
- 2. Supplied in liquid form
- 3. Readily mixes with nitric acid at recommended dilutions
- 4. Solutions can be "tailor-made" for specific alloys

### **TECHNICAL DATA**

Appearance clear liquid
Density, g/ml 1.09 to 1.11
pH-Value (1.5%, DI-water) 4.2

## **DIRECTION OF 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.

#### **Use instructions**

Detailed recommendations covering many uses of BONDERITE C-IC 4104 AERO are described in TDB #496, "Descaling, Etching and Acid Cleaning of Heat Resistant Alloys. These solutions may also be used in conjunction with alkaline scale conditioners, such as BONDERITE C-AK 4316 L AERO or BONDERITE C-AK 4338C AERO . Refer to TDB #314 or #188 for details on the use of these products.

#### **Storage**

Temperature, °C

0 to 40

### Classification

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

Hazardous Information Transport Regulations Safety Regulations



#### 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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Reference 0.1