

# Antox® 76 E

## Pickling Cleaner

A Product of the Chemetall Group

### Field of Application

For the removal of extraneous rust, brightening and passivating of metal surfaces.  
Removes annealing colors on III d sheets.

### Working Tools

- Antox pickling brushes of acid-resistant materials for repeated use or
- Antox disposable brushes of synthetic materials for application by hand
- Pickling hand spray, of resistant plastic, irrespective of a compressed air connection, for applying in the spray method.

### Application and Procedure

Before commencing work, safety precautions must be observed and protective equipment made use of.

*Antox 76 E* is ready to use and is applied unthinned to the dry surface by means of a brush or pickling hand spray.

The effect of Antox 76 E can be supported by the use of an abrasive fabric. The reaction time should be observed. The optimal reaction time must be determined in a preliminary test.

Upon completion, the processed surface is to be rinsed under cold water, using a high pressure water jet appliance (at a pressure of at least 120 bar). Rinse until the water running off is neutral (check with indicator paper).

### Reaction Time Periods

Rust and acid-resistant steels, stainless steels	15 -30 minutes
Removal of annealing colors on III d sheets	30 -60 minutes

The reaction time period is dependent on the quality of the working materials treated as well as on the temperature of the ambient air and materials. The optimal cleaning temperature is around 18 - 22° C. Work routines should be avoided in direct sunlight (due to hazard of premature drying).

### Yield

1 kg of Antox 76 E is sufficient for approx. 20 m<sup>2</sup> of surface area.



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## General Remarks

*Antox 76 E* contains no hydrochloric acid and no chlorides.

## Notes on hazards and suggestions for safety precautions

*Antox 76 E* contains phosphoric, nitric and hydrofluoric acid.

Extremely toxic when swallowed. Contact with the skin causes acid burns.

Process and store in a well-ventilated place (the cans should be tightly closed). Breathing apparatus should be used when ventilation facilities are insufficient. Appropriate protective goggles, gloves and clothing should be worn whilst working.

Contact with the eyes should be treated by thorough rinsing with water and thereafter a doctor should be consulted. Contaminated and soaked protective clothing should be immediately changed. A doctor should be consulted if nausea is experienced (the doctor should be shown the notes on safety precautions, the product notes or the product label).

Please also observe the detailed information given in the German DIN Standard "SIDA" safety data sheet.

These products should not be accessible to children. For commercial and industrial use only.

## Disposal

Neither *Antox 76 E* nor the rinsing water may be disposed of in the public sewers in an untreated state. The waste water is acidic and contains metal oxides from the treated metal. Appropriate treatment should be carried out in a suitable neutralisation plant or disposal undertaken via a licensed waste disposal enterprise. The local waste water regulations are to be observed.

**This edition replaces all previous editions, which then lose their validity. The information and details are given to the best of our knowledge and belief, and conform, at the time of going to print, to the forementioned experience in laboratory situations and in practice. These are however only to be understood as non-binding guidelines, which will have to be adjusted individually to meet the requirements of every situation in practice. As the application and use of our products are outside our control and influence, we can only accept liability for the irreproachable, standard quality of the products at the moment in time of delivery. Any consequential loss or damage will only be addressed when the possibility of such has been previously agreed in writing before application and use, by making reference to the advertised and warranted characteristics and effects.**



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