

TECHNICAL DATA SHEET

UniClean 151

Mild alkaline hot soak cleaner for steel, nonferrous metal and aluminum

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1 PROCESS INFORMATION

UniClean 151 can be used for both barrel and rack plating, and has following advantages:

- High cleaning power and receptivity also of drawing oil and pigmented contaminations
- Little foam production
- No attack of Al and Al-alloys
- Easy to rinse and not hydrophobic
- High economy through long lifetime and low temperature concept
- All surfactants contained in UniClean 151 comply with EU directive 648/2004 (biodegradability of detergents).

2 EQUIPMENT

Tank	Steel. The tank should be equipped with an overflow compartment and with a pump.
Heater	Steel.
Exhaust	Recommended.
Bath agitation	In rack application a slight bath agitation is recommended.
Filtration	Not required.

3 MAKE-UP

Make-up of 100 l

	Liter	kg
for steel and nonferrous metals UniClean 151	---	5.0 (4.0 – 6.0)
for aluminum and Al-alloys UniClean 151	---	4.0 (3.0 – 5.0)

To make up 100 l of working cleaning solution:

- Fill process tank with 70 l of water and start agitation.
- Whilst stirring add the required amount of UniClean 151.
- Adjust solution level to final working volume with water.
- After reaching working temperature the solution is ready for use.

In all work with UniClean 151, make sure that all regulations on operations with alkaline and caustic solutions are carefully observed!

4 WORKING PARAMETERS

Temperature:	50 - 80°C for steel 40 - 75°C for nonferrous metals and aluminum
Time:	4 - 10 min for steel 3 - 7 min for nonferrous metals and aluminum

5 MAINTENANCE

UniClean 151 is maintained by making regular additions according to analysis.

6 APPLICATION GUIDELINES

UniClean 151 contains a tenside-system which accelerates the oil- and dirt absorption.

The composition of UniClean 151 ensures a long lifetime even with strong contamination of articles being cleaned.

7 GENERAL SAFETY PRECAUTIONS

Avoid direct contact with this material. Do not inhale associated mist or vapors. Wash contaminated clothing before reuse. Refer to Safety Data Sheet (SDS) for specific precautions before handling this material and for first aid recommendations. As applicable, keep exposure below the limits recommended by the appropriate regional regulatory agencies.

For further information on product safety refer to the corresponding SDS. The SDS is enclosed at the first delivery of a product. Otherwise, a SDS for a product is available on request from the appropriate regional Atotech office.

8 MATERIAL NO. FOR MAKE-UP AND MAINTENANCE PRODUCTS

PRODUCT	MATERIAL NO.
UNICLEAN 151	1666417

9 DOCUMENT HISTORY

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01	23. Sept.2013	NEW
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P.O. Box: 21 07 80 10507 Berlin, Germany ErasmustraÙe 20 10553 Berlin, Germany · phone +49 (0) 30 349 85 0 fax +49 (0) 30 349 85 777