

# DESCALER MTA

Sewage Water Systems Descaling

## Technical Information

### Physical Data

Appearance:	brown liquid
Average density:	1.15 at 20° C
Flammability:	non-flammable
Corrosive action:	corrosive on aluminium, zinc and related alloys
pH (1% solution):	1.2

### Description

Liquid descaler containing a metal corrosion inhibitor.  
Heavy duty carbon remover  
Cleans down to metal surfaces  
Fast and effective usage

### Application

Descaler for any type of metal (except for aluminium and zinc).

### Advantages

This product has a metal protection through a corrosion inhibitor, coupled with a rapid acid solution action for deep scale penetration. DESCALER MTA has demonstrated its unique ability to effectively clean and eliminate uric acid build-ups in sanitation vacuum systems to the marine industry. Ship owners are turning to Uniservice Unisafe as more and more cruise vessels face clogging problems in their vacuum systems. DESCALER MTA is an online solution for eliminating hard deposits inherent in vacuum systems formed by uric acid.

### Directions For Use – Product Dose

DESCALER MTA can be administered either through **circulation** or **immersion**, depending on the size of the equipment that requires descaling.

#### By Circulation

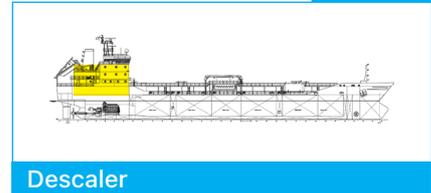
##### 1. Preparation

- Empty the circuit to be descaled.
- Prepare a 50% DESCALER MTA solution.
- Install a fume vent at the top of the circuit to be descaled.

##### 2. Descaling

- After removing the cleaning solution, gradually add the DESCALER MTA solution. Allow this solution to circulate for approx. 10-12 hours depending on scale thickness.
- During descaling, fumes and foam are formed. When descaling is completed, empty the circuit from the bottom, and, where feasible, remove any scale deposits left with pressure water hose.

#### USAGE AREAS



#### PACKAGING



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### 3. Rinsing

- A. Add water to the circuit.
- B. Allow it to circulate for at least 1 hour.

### 4. Neutralisation

Neutralise any acid residues left through circuit passivation with 1%, or 2% if in fresh water, ALKALINITY CONTROL solution allowed to circulate for 2 hours.

#### By Immersion Bath

Similar operations as described above:

1. Prepare the solution at the required concentration (see paragraph on Dosage).
2. Shake the solution (with compressed air or pump) to remove the acid film in contact with the descaled surface.

Note: DESCALER MTA can be introduced through manual dosing into a vessel's head or via a simple yet effective dosing unit. Please contact a Uniservice representative for more details.

## Handling Precautions

This product is an acid, and although it is inhibited and buffered by a special additive to limit acid fumes, it should be handled in compliance with recommended safety requirements (e.g. gloves, safety goggles, and, in case splashes are possible, an apron and boots). In the event of contact with the eyes, rinse immediately with plenty of water or a sodium bicarbonate solution.

## Safety and Environment (HSE)

Uniservice Unisafe Srl have carefully developed their products to minimize the safety risks and environmental impact of using their products. However, Uniservice advises that, prior to using its products, users should read in detail the accompanying Safety Data Sheet and ensure that its products are applied within the required HSE regulations of the country in which the user operates. Best practice and safety requirements should be followed which will likely include method statements and risk assessments, together with any specific requirements of the user's own company HSE requirements.

## Important Notice

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, this information is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you do a test to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by Uniservice Unisafe Srl hereunder are given gratis, and Uniservice Unisafe Srl assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk. Product images are for reference purposes only.

## Contact

For further information, please contact your local Uniservice Unisafe sales representative or get in touch with us:

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