



**MARINE
CARE**

CARECLEAN HD DESCALEX L

Inhibited heavy duty acid cleaning liquid for removal of water scale and rust deposits from water systems

DESCRIPTION

Careclean HD Descalex L is an inhibited chloric acid based descaler and rust remover. Careclean HD Descalex L is used for acid cleaning of boilers, condensers, diesel cooling water systems, evaporators, Butterworth heaters, pipe systems etc.

ADVANTAGE

- Removes heavy deposits consisting water scale and iron oxides
- Very effective without heat
- Inhibited to protect cleaned surfaces from acidic attack
- Can be used on most common ferro and non-ferro metals
- Effective lavatory system cleaner

APPLICATION

- Cleaning and scale removal from the sea water side of air coolers
- Scale and rust removal from boilers, condensers, evaporators, heat exchangers, diesel cooling water systems, etc

DIRECTIONS FOR USE

- We recommend that a preliminary test is carried out on samples of the original scale deposits in order to select the most suitable acid cleaner and optimize concentration and temperature conditions.
- When a boiler is soiled with light oil deposits or if silicates and/or calcium sulphates are present, boiling out with Careclean Alkaline Extra is recommended.
- If heavy mineral oil deposits are present in a boiler or cooling system, a preliminary treatment with an emulsifying cleaner, like Careclean Degreaser GP is recommended.

- Environmental friendly
- Biodegradable
- Excellent scale removal
- Anti-Foam
- Suitable on most metals
- Approved by:
> Marinfloc



MARINE CARE BV
Oude Maasweg 35
Port Number 4005
3197 KJ Botlek - Rotterdam
The Netherlands
T. +31 (0)10 2950342
F. +31 (0)10 2950345
E. supply@marinecare.nl



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DESCALEX L

Circulation Method:

Before cleaning with Careclean HD Descalex L solution, we recommend to thoroughly rinse with water; this will partly or completely remove loose sludge, scale, etc. Depending on the nature of the scale and degree of contamination, it is recommend to use a cleaning solution with a concentration of 10 - 20 % Careclean HD Descalex L.

Solutions of Careclean F Descalex L are normally used cold, but may be heated to a maximum of 55 °C, which will result in a quicker cleaning process. During the cleaning process, inflammable and/or toxic gases are possibly be formed, therefore adequate ventilation must be provided. Avoid open fire. The length of the cleaning operation depends on the thickness and type of deposit and also on the product concentration. Generally speaking this period will be within 24 hours.

After cleaning, drain off the solution and neutralize it with Careclean Alkaline Extra outside the system. Rinse the system with fresh water until a neutral pH is reached (use pH paper or a pH meter). The final rinsing can be carried out with a 1% solution of Careclean Alkaline Extra.

Circulating system:

Marine Care provides a portable circulating pump and tank systems ideal for this product. Please refer to the Marine Care equipment information sheet.

Cleaning in immersion baths:

Fill a plastic or plastic lined bath with a 30 % solution of Careclean HD Descalex L in water. Careclean HD Descalex L is normally used cold but the solution can be heated to a maximum of 55 °C for quicker results. Introduce the components to be cleaned into the bath and let them soak for a maximum of 24 hours, depending on the degree of scaling. Remove the components from the bath and rinse them with a powerful water jet.

CAUTION:

Suitable for most common ferro and non-ferro metals, except zinc, aluminum, galvanized materials, cast iron and stainless steel.

DOSAGE

Circulation	10 - 20 % solution
Immersion bath	30 % solution

PROPERTIES

Article number	14202
pH	1,0
Density	1,15 g/cm ³
Flashpoint	Not applicable
Physical state	Liquid

APPROVALS

- Marinfloc Approved OWS Compatible

For detailed information on safety and health, please refer to the Material Safety Data Sheet MSDS and/or product label.

This information is based on data that we believe to be accurate and reliable and is intended to be used by persons having the knowledge and skill to apply this product properly. We assume no responsibility for results or damages incurred from their use by the Buyer. No liability (including liability for negligence) will attach to Marine Care or its servants or agents arising out of or in connection with or in relation to this product information.

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