



# GREENCARE DESCALING LIQUID

**Safe descaler for cleaning of: boilers, condensers, evaporators, heat exchangers, cooling and other pipeline systems**

## DESCRIPTION

Greencare Descaling liquid is part of Marine Care's green line introduced into the maritime industry to invest in greener and cleaner seas. Greencare Descaling Liquid does not contain any acid but has dissolving properties which outperform hydrochloric and sulphamic acid based cleaners. Greencare Descaling liquid is a very strong and efficient descaler which breaks down calcium, lime, scale and other deposits which, until now, required the use of corrosive and dangerous strong acids. This extreme cleaning power comes with a triple zero HMIS score. This makes Greencare Descaling liquid safe on your skin, safe for your equipment and safe to store anywhere.

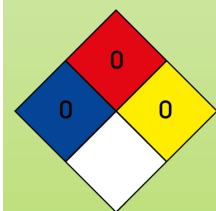
## ADVANTAGE

Greencare Descaling liquid doesn't contain any acids, is non-corrosive, not regulated and readily biodegradable per OECD 301D. As Greencare Descaling liquid neutralizes instantly with fresh water, time and material costs, for authentic acid neutralization, are eliminated. Any descaling process that once required the use of dangerous acids can now be done in a safe and green manner.

## APPLICATION

Greencare Descaling Liquid is suitable for cleaning boilers, condensers, evaporators, heat exchangers, cooling and pipeline systems.

- Acid free
- Safe on skin
- Non corrosive
- 100% bio-degradable
- Not regulated for storage & transport
- Approved by:
  - > U.S. EPA
  - > Marinfloc
  - > OCNS
  - > HOCNF



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## APPLICATIONS

### Circulation method:

- Before cleaning with Greencare Descaling liquid solution we recommend thorough rinsing with freshwater at a minimum flow velocity of 2 m/s. This will partly or completely remove loose sludge, scale, etc.
- Depending on the nature of the scale and degree of contamination, 10 - 50% Greencare Descaling Liquid is used in the cleaning solution.
- Greencare Descaling Liquid is normally used cold. However the solution may be heated, what will result in a quicker cleaning process.
- During the cleaning process no (in-)flammable and/or toxic gases are released, therefore the cleaning process is perfectly safe for men and environment.
- The duration of the cleaning operation depends on the thickness and type of deposit and also on the concentration of the product used. In general, this duration will be within 24 hours.
- After cleaning rinse the system thoroughly with freshwater.

### Cleaning in immersion baths:

- Fill a bath with a 25-50% solution of Greencare Descaling liquid in water.
- Greencare Descaling liquid is normally used cold but the solution may be heated for quicker results.
- Immerse the components to be cleaned into the bath and let them soak for a period of 1 to 24 hours, depending on the degree of scaling. Agitation provided with an air hose is recommended for optimal use of the cleaning solution.
- Remove the components from the bath and rinse them with a waterjet.

## DIRECTIONS FOR USE

Greencare Descaling liquid can be used neat or diluted on:

- ferro and non-ferro metals.

## DILUTIONS (see Applications)

## PROPERTIES

|                |                        |
|----------------|------------------------|
| Article number | 14804                  |
| pH             | < 1                    |
| Density        | 1,12 g/cm <sup>3</sup> |
| Flashpoint     | None                   |
| Physical state | Liquid                 |

## APPROVALS

- U.S. EPA approved
- Marinfloc Approved OWS Compatible
- OCNS registered, 25425, for Offshore applications
- HOCNF approved, CEFAS/NEMS registered, 11097

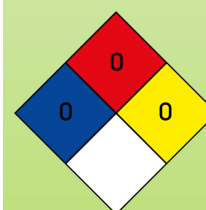
For detailed information on safety and health, please refer to the Material Safety Data Sheet MSDS and/or product label.



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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