



GREENCARE SYNERGY

Very powerful unique degreaser replacing both solvent based degreasers and alkaline cleaners

DESCRIPTION

Greencare Synergy is part of Marine Care's green line introduced into the maritime industry to invest in greener and cleaner seas. Greencare Synergy is unlike any other solvent based degreasing agent and alkaline cleaner on the market today. Its superior degreasing power comes from a patented ingredient that safely lifts any kind of grease or organics from any surface and encapsulates each molecule. By encapsulating the molecule it does not break it down to where they absorb water, take on weight and sink. As such, it easily removes all kinds of petroleum based oils and oil residues, grease, vegetable and animal fats and even heavy fuel oil. This extreme cleaning power comes with a triple zero HMIS score. This makes Greencare Synergy safe on your skin, safe for your equipment and safe to store anywhere.

ADVANTAGE

Greencare Synergy does not contain butyl, is non-corrosive, non-caustic, non regulated and readily biodegradable per OECD 301 series, OECD 306 for Marine Environment & OECD 117. Any cleaning that once required the use of dangerous caustics or flammable solvents can now be done in a safe and green manner. Due to the non-emulsifying properties the product is suitable for use in conjunction with oil/water separators

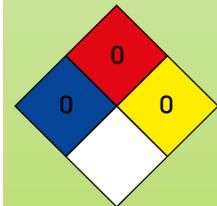
APPLICATION

- General cleaning
- Ultrasonic cleaning
- Reversed osmosis (RO) membrane cleaning
- Ultra filtration (UF) membrane cleaning

- Solvent free
- Non toxic
- Non caustic
- 100% bio-degradable
- Not regulated for storage & transport

Approved by:

- > **U.S. EPA**
- > Marinfloc
- > IMO
- > OCNS
- > HOCNF



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APPLICATIONS (CONTINUED)

General cleaning:

Greencare Synergy is used for many different kinds of cleaning purposes. The objects can easily be soaked, sprayed, brushed, mopped or circulated with Greencare Synergy. Depending on the nature of the contamination. Allow Greencare Synergy to react for 15 - 30 minutes. Then rinse or flush the parts or surface thoroughly with water and if required assisted by a brush, rag or high pressure waterjet. Increasing the temperature of the cleaning solution will improve the cleaning power.

Ultrasonic cleaning:

Depending on the degree of contamination, Greencare Synergy should be used in a 5 - 25 % solution in water at a temperature of 50 - 60 °C. Dismantle the equipment to be cleaned (i.e. : remove top and bottom rings from filters), put the components in the bath making sure that the components are completely immersed and kept separate.

For the cleaning of light alloys use a dilution of maximum 10 % and a maximum cleaning temperature of 50 °C.

We recommend a general cleaning time of 5 - 60 minutes, and longer if necessary. Take the objects out of the bath and spray with a powerful waterjet. After drying, a preserving agent can be applied. The cleaning solution has to be renewed and the bath has to be cleaned regularly, because in a contaminated bath the parts cannot be cleaned effectively. For maintenance of the bath the oil layer can be skimmed.

Reversed osmosis (RO) membrane cleaning:

For the cleaning of organic fouling and metal complexes from RO membranes, Careclean Synergy can be safely applied.

Use a 1 - 5 % solution to circulate over the membrane(s), for 15 - 120 minutes depending on the fouling rate. The solution should be made with permeate or on other high quality water. Flush the membranes thoroughly with high quality water.

Ultra filtration (UF) membrane cleaning:

For the cleaning of organic fouling and metal complexes, from UF membranes, Careclean Synergy can be safely applied.

Back flushing:

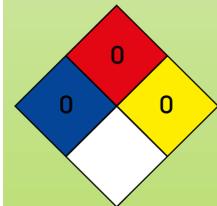
Use a 1 - 2 % solution to backflush the UF membrane(s). The solution should be made with permeate or on other high quality water.

Circulation:

Use a 1 - 5 % solution to circulate over the membrane(s), for 15 - 120 minutes depending on the fouling rate. The solution should be made with permeate or on other high quality water. Flush the membranes thoroughly with high quality water.

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DIRECTIONS FOR USE

Greencare Synergy can be used neat or diluted on:

- ferro and non-ferro metals, please carry out cleaning tests upfront on aluminium and zinc,
- plastics,
- synthetic and natural rubber.

DILUTIONS

Light to moderate cleaning	1 - 10 % solution in water
Moderate to heavy deposits	10 - 50 % solution in water
Heavy to severe deposits	50 % solution in water to pure

PROPERTIES

Article number	14808 / 16808
pH	< 12,8
Density	1,01 g/cm ³
Flashpoint	None
Physical state	Liquid

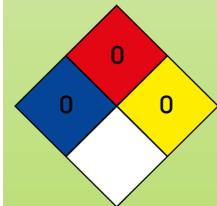
APPROVALS

- U.S. EPA approved
- Marinfloc Approved OWS Compatible
- IMO approved in accordance with MEPC 590
- OCNS registered, 25427, for Offshore applications
- HOCNF approved, CEFAS/NEMS registered, 11099

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

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