

DESCRIPTION

ENVIROMATE 2000 is a water-based cleaner formulated to meet the marine industry's strict requirements for safety and performance. ENVIROMATE 2000, with its unique blend of cleaning agents, is a non-flammable, general purpose cleaner perfect for a broad range of surface, deck, engine, and offshore applications. This product is also suitable and recommended for ultrasonic cleaning applications.

ENVIROMATE 2000 is used for the effective removal of mineral, animal, and fish oil residues from cargo tanks.

ENVIROMATE 2000 has been approved by IMO according to guidelines under IMO MEPC.1/Circ. 590. Only cleaners approved under the aforementioned guidelines can be used for tank cleaning on board ships that are issued an NLS Certificate and can be disposed of at sea when the cargo residue slops are authorized to be disposed at sea. ENVIROMATE 2000 is MARPOL Annex V compliant for use as a cleaning agent for external spaces, decks, and cargo hold cleaning.

APPLICATION & USE

For Tank Cleaning

ENVIROMATE 2000 is used for effective removal of mineral animal, vegetable, and fish oil residues from cargo tanks. For cargo tank washing using mechanical recirculation method, ENVIROMATE 2000 should be injected using a 1-2% solution. ENVIROMATE 2000 can also be used for manual spray and direct injection tank cleaning methods. Heating

of the cleaning solution to 40-60° C is recommended for optimum results.

For General Cleaning and Degreasing

Apply ENVIROMATE 2000 general purpose cleaner as a 5 to 25% solution to soiled surface by brushing, swabbing, or spraying. Allow ENVIROMATE 2000 general purpose cleaner to penetrate and work into the soil for several minutes, scrub, then rinse with water to provide a clean, film-free surface. ENVIROMATE 2000 general purpose cleaner works best when used with warm water 40-60 °C.

For Ultrasonic Cleaning

Use ENVIROMATE 2000 general purpose cleaner as a 20% solution in fresh water for all types of ultrasonic cleaning. Heating of the solution to 50-70° C is required for best results. Cleaning time required varies from 10-30 minutes for filters, though more heavily fouled parts may take longer. It is recommended to preclean parts and remove heavy dirt and grease/oil before placing in the cleaning solution. This will also enhance the active lifetime of the product.

Spot Cleaning

Apply ENVIROMATE 2000 as a 5 to 25% solution to soiled surface by brushing, swabbing, or spraying. Allow ENVIROMATE 2000 to penetrate and work into the soil for several minutes, scrub, then rinse with water to provide a clean, film-free surface. ENVIROMATE 2000 works best when used with warm water (40-60°C.)

FEATURES

- IMO approved as a tank cleaner under MEPC.1/Circ.590
- Biodegradable surfactants
- Contains no petroleum solvents
- Blend of powerful detergents and wetting agents
- Clean, fresh odor
- Completely soluble in water
- Free-rinsing
- MARPOL Annex V Compliant

BENEFITS

- Can be disposed of at sea when the cargo residues are authorized to be disposed of at sea
- Rapidly degrades in the environment
- Non-flammable
- Safe on all metals and alloys, including aluminum
- Does not require special handling and storing
- Multipurpose cleaning
- Highly effective ultrasonic cleaner
- Effective on a broad range of soils
- Pleasant to use
- Deodorizes
- Compatible with fresh or seawater
- Leaves no oily film



Contact your Drew Marine representative for more information

TYPICAL PHYSICAL PROPERTIES

Appearance:	Clear, light blue liquid
Specific Gravity @ 25 °C:	1.03
Flashpoint:	N/A
pH (full strength):	8.6
Rinsability:	Free-rinsing
Solubility:	Complete in fresh or seawater
Freeze/Thaw Stability:	Stable
Odor:	Fresh, clean odor

NOTE: Always wear the appropriate personal protective equipment when using this product.

PACKAGING

ENVIROMATE 2000 is available in 25-liter pails (PCN 5482401) and 200-liter drums (PCN 5482427).

IMPORTANT INFORMATION

Drew Marine maintains Safety Data Sheets on all of its products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees.

Our Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Drew Marine products.



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