

## DESCRIPTION

EDGE is a multipurpose heavy duty cleaner specifically formulated to meet the marine industry's requirements for cleaning action, safety and environmental considerations. This product combines heavy-duty cleaning ingredients with fast-penetrating wetting agents. This combination of ingredients provides the power needed to remove stubborn soils, while remaining mild enough not to harm most surfaces. EDGE heavy-duty cleaner provides an excellent alternative to traditional solvent-based and highly alkaline cleaners.

EDGE heavy-duty cleaner is excellent for cleaning cargo tanks from animal and vegetable oils, fats and white mineral oils, and it is suitable for hydrocarbon-free cleaning.

EDGE heavy-duty cleaner is a versatile cleaner, especially well suited for machine cleaning and for use in high-pressure spray guns. It is an excellent cleaner for general deck, engine room and steward uses. It is excellent for cleaning bulkheads, tank tops, bilges, machinery, engines, tools, hotel services, galley, etc.

Edge has been evaluated by IMO and approved as a tank cleaning additive under MEPC.1/Circ.590. Tank cleaning additives approved by IMO are used on board chemical/product tankers in chemical cargo tank cleaning operations and are added in small amounts to the wash water in order to facilitate tank washing.

## FEATURES

- IMO approved under MEPC.1/Circ.590
- Contains no petroleum-based solvents
- Biodegradable surfactants
- Concentrated blend of powerful detergents and wetting agents
- Soluble in fresh or seawater
- Mildly alkaline at use concentration
- MARPOL Annex V Compliant

## APPLICATION & USE

### Tank Cleaning

The following tank cleaning instructions are not intended to interfere with the judgment of the Master, Chief Mate, or Chief Engineer in the operation and/or navigation of the vessel. They are meant only as a guide since circumstances for each tank cleaning operation will vary. The recommendations provided are designed to achieve the optimum results and are based on over 80 years of tank cleaning experience.

For cargo tank washing using a mechanical recirculation method, EDGE heavy-duty cleaner should be injected and used at a rate of 2-8 liters per ton of water. EDGE heavy-duty cleaner can also be used for manual spray and direct injection tank cleaning methods. It is suitable for use when hydrocarbon-free cleaning is required. When diluted, EDGE heavy-duty cleaner is suitable for zinc silicate-coated tanks. For zinc silicate-coated tanks, use <10% solution.

### General Cleaning

For general degreasing and cleaning, apply EDGE heavy-duty cleaner with a 2-10% concentration in water (2-10 parts EDGE per 98-90 parts water, respectively) to the surface to be cleaned by brushing or swabbing. Allow cleaner to penetrate and lift the product for approximately five minutes, then rinse with water to provide a clean, film-free surface. When mechanically cleaning with high-pressure spray

## BENEFITS

- Suitable for hydrocarbon-free cleaning
- Non-flammable
- Leaves no oily film
- Free rinsing
- Minimal environmental impact
- Does not require special handling and storage
- Enhanced environmental position
- Economical to use
- Effective for multi purpose cleaning
- Versatile and easy to use
- Can be used for epoxy and zinc silicate coatings
- Effective cargo hold cleaning solution is disposable at sea provided cargo residue is disposable at sea.



Contact your Drew Marine representative for more information

equipment, apply EDGE heavy-duty cleaner with a 0.5% concentration in water (1 part EDGE to 200 parts water).

For bilge cleaning and cleaning of other contaminated areas, EDGE® heavy-duty cleaner should be dosed at a rate of 1-liter per ton of bilge capacity or water used. EDGE is MARPOL Annex V compliant for use in cargo hold cleaning. For additional instructions, refer to the Drew Marine Bulk Carrier Guide for Cargo Hold Cleaning.

EDGE heavy-duty cleaner meets Alaska Pipeline Service Company requirements, as evaluated by U.S. EPA Test Methods, as a cleaning agent used to clean tank vessels that discharge ballast water and bilge water to the Ballast Water Treatment Facility in Valdez, Alaska, and which may be used to clean cargo or fuel tanks and bilges of tankers in the Alaska North Slope crude oil trade.

## TYPICAL PHYSICAL PROPERTIES

Appearance:	Amber liquid
Odor:	Mild
Specific Gravity @ 25°C:	1.07
Flash Point:	N/A
Solubility:	Complete in fresh or salt water
pH (full strength):	12.9
10% Solution in Seawater:	9.7
Rinsability:	Free rinsing
Freeze/Thaw Stability:	Complete

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

## PACKAGING

EDGE heavy-duty cleaner is available in 25-liter (PCN 0089400).

## 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.



# Drew Marine®

400 Captain Neville Drive  
Waterbury, CT 06705 USA  
1-973-526-5700  
Drew-Marine.com