



## MARICLEAN DG-25™

### DESCRIPTION

**MARICLEAN DG-25** is a high performance water based alkaline cleaning agent. It is a product of low toxicity that does not contain either nonyl phenols or caustic alkalis. It consists of biodegradable ingredients safe for oil cleaning and metal degreasing.

**MARICLEAN DG-25** can be used as a cleaning agent for engine rooms, decks, cargo holds or even as a tank cleaner. It efficiently removes heavy grease, sludge, fatty oil, fish oil, animal and vegetable oil. **MARICLEAN DG-25** can be used neat or diluted with fresh water. It is readily biodegradable after use.

One of the main advantages of **MARICLEAN DG-25** is that can provide excellent cleaning effect of inert gas soot in cargo tanks.

### ADVANTAGES AND CHARACTERISTICS

- ◆ Multi-purpose water based cleaner.
  - ◆ Consists of biodegradable ingredients.
  - ◆ Does not contain nonyl phenols neither caustic alkalis.
  - ◆ Free from hydrocarbons and chlorinated solvents.
  - ◆ Non flammable and non combustible liquid of low toxicity.
  - ◆ Can be used for a variety of general cleaning, such as removal of grease, oil, sludge and grime.
  - ◆ Can be used efficiently as cleaning agent for engine rooms, decks, cargo holds and tanks.
  - ◆ Excellent inert gas soot cleaner in cargo tanks.
  - ◆ No known effect on rubber.
  - ◆ Applicable to plastic, rubber and epoxy compounds as well to painted, coated and varnished surfaces.
  - ◆ If you are using **MARICLEAN DG-25** on a vertical or horizontal surface, the resident time and cleaning ability can be furthered, by adding Foam Plus.
  - ◆ May attack aluminium and zinc.
  - ◆ Cost effective, easy to apply and use.
- ▶ According to **MARPOL 73/78** chemical tankers are only permitted to use tank cleaning agents, which had been approved and evaluated by the International Maritime Organisation (IMO).
- ▶ **MARICLEAN DG-25** was evaluated in accordance with MEPC.1/Circ. 590 through IMO's Working Group on the Evaluation of Safety and Pollution Hazards

of Chemicals (ESPH Working Group) and found to meet the requirements of regulation 13.5.2 of Annex II of **MARPOL 73/78**.

- ▶ **MARICLEAN DG-25** is not harmful to the marine environment as per **MARPOL MEPC 63 Annex V Amendment [MEPC. 71/17/Add.1 Annex 21, Resolution MEPC 295 (71)]**.

### PHYSICAL & CHEMICAL PROPERTIES

**MARICLEAN DG-25** is a water based alkaline cleaner containing specific eco-friendly solvents, non ionic and anionic surface active agents and corrosion inhibitors.

Appearance/Color	: Pale/Yellow Liquid
Odor	: Ethereal Odor
Specific Gravity	: 0.99 - 1.03 gr/cm <sup>3</sup> at 20°C
pH	: 12.0 - 13.0
Flash Point	: None
Solubility	: Completely Soluble in water
Compatibility	: May attack Aluminium and Zinc when used in a high concentrated solution

### PACKAGING

Order Number	: 833032 (30 ltrs)
Container	: Plastic jerrican

### APPLICATION AND USE

#### A. Dosing Procedure

**MARICLEAN DG-25** may be applied concentrated or diluted with water. The quantity to be used is proportional to the degree of contamination, the available downtime, the surface area to be covered and the desired degree of cleaning.

For heavy duty cleaning and degreasing, **MARICLEAN DG-25** can be used undiluted whereas for lighter contamination can be used diluted with water depending on the degree and nature of the contamination.

**Circulation method:** A solution of 5%–10% must be prepared by diluting **MARICLEAN DG-25** with water.

**Injection method:** Prepare a solution of 3%–6% by diluting **MARICLEAN DG-25** with water.

#### B. Cleaning Procedure

**Circulation method:** After the solution is prepared, apply by circulating for approximately 6–8 hours.



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Thereon, wash thoroughly with water. You may have to repeat the procedure, in cases of heavy contamination.

**Injection method:** When the prescribed solution is prepared, inject directly to the contaminated area. Afterwards, rinse thoroughly with water.

**Soaking/Immersion method:** Once the solution is prepared, immerse the part, component or unit to be cleaned and leave it to soak for about 30 minutes, making sure that all the surfaces remain covered in solution. Afterwards rinse thoroughly with water.

## ! SAFETY AND HANDLING

<b>HANDLING</b>	Handle with care. Store in a dry, cool and well ventilated environment.
<b>SAFETY</b>	IMMEDIATE ACTIONS
<b>Eye Contact</b>	Avoid Eye contact. Otherwise, flush with plenty of water for several minutes. Seek immediate medical attention.
<b>Skin Contact</b>	Avoid Skin contact. Otherwise, remove contaminated clothes. Rinse and wash thoroughly with water and soap.
<b>Inhalation</b>	Do not breathe gas/vapors. Otherwise, seek fresh air source at once. Seek medical attention. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>If Swallowed</b>	Avoid ingestion. Do not induce vomiting. Seek medical attention.
<b>GENERAL INSTRUCTIONS</b>	Avoid spillage, splashing and mishandling. Precautionary measures for body protection are strongly recommended before use.

 **Read the Material Safety Data Sheet before using this product.**

For detailed information on safety and health, please refer to Material Safety Data Sheet and/or Product Label.

MARICHEM MARIGASES Worldwide Services or any subsidiary or associated companies warranties of merchantability and competence, if any, along with any expressed warranties concerning this merchandise, shall not be actionable or pertinent or effective if the good is used contrarily or differently to the directions herein and in no other way due to impending hazards from inappropriate use of the good explained herein. Merchandise might vary insubstantially depending on country of origin. The information provided concerning merchandise is exclusively presented to the customer.