

## DESCRIPTION

HOLDBRITE PRO HD is one of Drew Marine's suite of HOLDBRITE products offered specifically for cargo hold cleaning and maintenance on dry bulk carriers. HOLDBRITE PRO HD is a newly designed, highly concentrated heavy duty alkaline cleaner designed specifically for cleaning cargo holds on bulk carriers. HOLDBRITE PRO HD was developed using fast-acting, innovative detergents that were chosen for their suitability to remove residues caused by oily dry cargoes. The formula has been optimized for effective, economical cleaning, and when used with the proper chemical application equipment, HOLDBRITE PRO HD can create a dense foam that contributes to a longer surface contact time and that contributes to enhanced cleaning performance. Importantly, HOLDBRITE PRO HD is MARPOL Annex V compliant.

With its highly concentrated formula, less cleaning product is required to remove tenacious stains in comparison to those traditional alkaline cleaners used for cargo hold cleaning. HOLDBRITE PRO HD is ideal for removing residues caused by tenacious and difficult to remove dirty dry cargo residues, such as green delayed pet coke, oily coal, Indonesian coal, and oily carbon-like cargoes (e.g., Australian, North America oily grades etc.). In addition to difficult cargoes, it can be used to remove other dry cargo residues where use of an alkaline cleaner is recommended. HOLDBRITE PRO HD is compatible with common cargo hold coatings.

## APPLICATION & USE

### Surface Preparation

- Prior to application of HOLDBRITE PRO HD, sweep the holds and then muck out any remaining cargo residues and deposits.
- Do NOT pre-wash or rinse the hold surfaces with water prior to application of HOLDBRITE PRO HD.

## FEATURES

- Highly concentrated
- High foaming surfactants
- No chlorinated solvents
- Water based

### Chemical Dilution

It is recommended that all dilutions be made with fresh water. Apply a 10% dilution (i.e., one part HOLDBRITE PRO HD to nine parts water). Allow the cleaner to contact the residues for 10-15 minutes. However, for contact time, consider the environmental conditions, and ensure that the surfaces do not dry out before following up with water rinsing.

For best results, it is highly recommended that suitable chemical application equipment be used to apply the chemical cleaning solution. Drew Marine offers cargo hold chemical application sets with various lengths of telescopic lances that can be used to apply the diluted cleaner.

### Rinsing

- To enhance the effectiveness of the product, rinse the surfaces by applying water under high pressure. It is highly recommended to use fresh water for rinsing.
- Final rinsing should always be performed with fresh water to remove any corrosive, contaminating saltwater residues.

### Final Touches

If there are any remaining residues, the cleaning procedure mentioned above may need to be repeated. In some cases, spot cleaning may be required to remove tenacious stains. For spot cleaning, use up to a 50% dilution (i.e., one part product added to one part water). The concentration will depend on the severity of the remaining residue.

### Applicable Areas

HOLDBRITE PRO HD can be used to clean cargo holds, the house, bulkheads, coamings, decks, railings, and other structural external surfaces affected by cargo residues.

## BENEFITS

- Suitable for cleaning vertical surfaces with high contact time
- Economical
- Ideal for Green Delayed Pet Coke
- Highly effective on a wide range of oily residues
- Minimal handling and operational costs
- MARPOL Annex V complaint



Contact your Drew Marine representative for more information

## TYPICAL PROPERTIES

Appearance:	Pale, yellow liquid
Odor:	Mild
Solubility:	Miscible with water
Specific Gravity @ 25°C:	1.03
Flash Point PMCC):	N/A
pH (neat):	>12.8

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

## PACKAGING

HOLDBRITE PRO HD is available in 200-liter drums. PCN 9101429.

## 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®

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