

DESCRIPTION

HOLD BARRIER CONCENTRATE is an environmentally friendly and non-pollutant material. It is used as a protective coating by creating a neutral film between the bulk cargo and the metal surface. It prevents cargo residues' penetration into the surface pores and minimizes the requested volume of cleaning detergent used to clean after cargo unloading.

APPLICATION & USE

HOLD BARRIER CONCENTRATE is NOT a ready-to-use product, rather, it is used to produce on board HOLD BARRIER and HOLD BARRIER XR after dilution with fresh water. It is ideal for storage and future use on board, for space saving and adjusted dilution according to the needs.

Dilution Process

In order to produce HOLD BARRIER (the regular one), dilute by 1:2 with fresh water:

- 100 liters of HOLD BARRIER CONCENTRATE
- + 200 liters of fresh water
- = 300 liters of HOLD BARRIER.

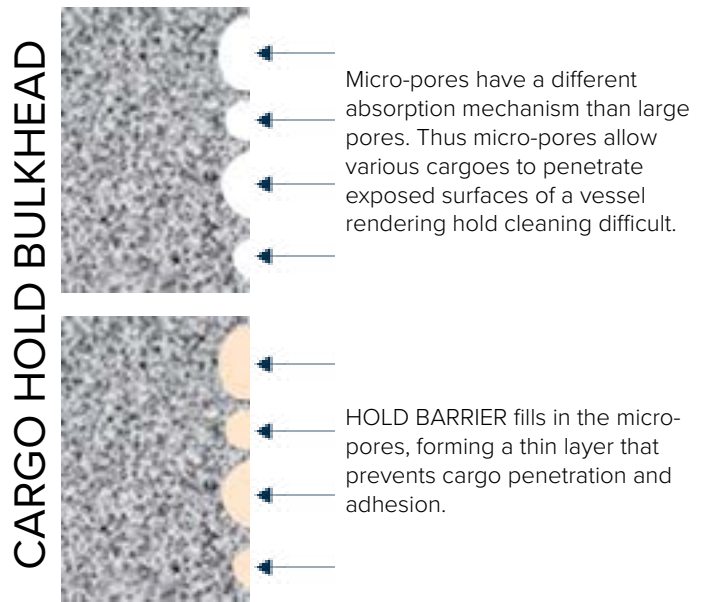
In order to produce HOLD BARRIER XR, dilute by 1:1.5 with fresh water:

- 100 liters of HOLD BARRIER CONCENTRATE
- + 150 liters of fresh water
- = 250 liters of HOLD BARRIER XR.

Stir to ensure the dilution.

It is highly recommended that the application of the chemical is performed using appropriate equipment, such as CARGO HOLD APPLICATION SET, which is suitable to use for such materials. Before application, make sure that the surfaces are clean from cargo residues or stains.

Apply the product using low pressure spraying, with a wide angle nozzle and make sure that all of the areas are



Keep your bulkheads "grain clean" with less time and effort.

covered and there has been no overlapping. Each liter of the diluted product can cover approximately 8-15m². Make sure that the surfaces are left to dry for 24-48 hours depending on the environmental conditions. The surfaces **MUST BE COMPLETELY DRY BEFORE LOADING THE NEXT CARGO**.

In order to clean the surfaces after unloading, use large quantities of water under pressure. No special cleaning detergents are required to remove the product. It will be removed easily with the cargo residues after the next cleaning.

Due to its transparency, it is possible that some areas will be left unprotected, with no product applied. For those areas, a cleaning detergent will be necessary to remove residues of the loaded cargo that has penetrated into coating's pores.

FEATURES

- Concentrated product
- Environmentally friendly
- Easy to be diluted on board
- Versatile solution for different cargo type

BENEFITS

- Dilution according to the needs
- Space saving as future repository
- Long shelf-life
- Economy of scale with dilution on board
- No detergent is required to be removed



Contact your Drew Marine representative for more information

TYPICAL PHYSICAL PROPERTIES

| | |
|----------------------------------|---|
| Appearance: | Opaque liquid |
| Odor: | Odorless |
| pH (neat): | 6.0 ± 1.0 |
| Flash Point (PMCC): | None |
| Density at 20°C: | 1.01 ± 0.03 g/cm ³ |
| Solubility: | Soluble in water |
| Compatibility: (Concentrated) | Metal, Coatings, & Rubber: No known effect |

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

PACKAGING

HOLD BARRIER is available 210 liter drums (PCN 9929011).

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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