

# CARGOBARRIER HD 25 LTR

Product group: **659**      Product number: **779092**

Unitor™ CargoBarrier HD™ is a liquid, waterborne protective barrier based on carefully selected polymers and additives. The product is specially formulated to leave a temporary water resistant film / barrier on cargo hold surfaces making the cleaning operation quicker and easier.



## Product information

Unitor™ CargoBarrier HD™ is designed to fill the fine pores of the cargo hold coating and will leave a dense water resistant film on the cargo hold surfaces. When cured the protective film will act as a barrier between the cargo and cargo hold surfaces thus preventing cargo deposits from stubbornly adhering to the surfaces. The nature of the film makes it ideal for cargoes loaded in damp or wet conditions as well as preventing cargo from sticking to the surface caused by moisture build-up during the voyage.

Unitor™ CargoBarrier HD™ is safe to the environment and to the personnel handling it. It is non-corrosive and safe on all coatings.

### Features

- Water resistant cargo hold barrier
- Ready to use - one single application
- Completely safe on all coatings
- Easily removable with an alkaline cleaner
- Water based - free from hydrocarbon solvents
- Complies with MARPOL Annex V

### Benefits

- Saves cleaning time and cleaning chemicals
- Excellent adhesion to all surfaces
- Prevents difficult cargo to adhere to the coating
- Ideal prior loading coal and petcoke or humid and corrosive cargoes

## Specification

### General

<b>Invent Hazard Material (IMO/EU) classification</b>	C-49
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### Physical properties

<b>Appearance</b>	Milky white
<b>Density [g/ml]</b>	1.01
<b>Form</b>	Low viscous liquid
<b>pH</b>	Approx. 9

## Approvals

This composition meets the criteria for not being harmful to the marine environment according to MARPOL Annex V and may be discharged into the sea when used to clean cargo holds and external surfaces on ships.

## Directions for use

The cargo hold surfaces should be as clean and dry as possible before treatment with Unitor™ CargoBarrier HD™.

Note! After washdown with seawater, to achieve maximum results, holds should be flushed with fresh water before applying Unitor™ CargoBarrier HD™.

The ready-to use concentration makes it ideal for direct application using the Unitor™ Panamax Cargo Hold Cleaning kit or Cargo Hold Compact kit with the designated application nozzle.

Do not apply more than necessary, one single application is enough and will cover 10-20 m<sup>2</sup>/ltr depending on the condition of the cargo holds. Start applying Unitor™ CargoBarrier HD™ from top and downwards. Allow the film to dry completely before loading the cargo. Depending on humidity, ambient and surface temperature drying time will vary, generally 1-2 hours.

Larger amounts of Unitor™ CargoBarrier HD™ may end up at tank top when applied in the holds. For optimum results remove excessive remaining and ensure that only a thin film is left on the tank top. Flushing away excessive amounts with fresh water is possible before drying.

After drying, Unitor™ CargoBarrier HD™ creates a dense, non-sticky film on the cargo hold surfaces. After cargo discharge, both the film and cargo residues are easily removed by the use of an alkaline cleaner like Unitor™ CargoClean HD™. Simply use our highly concentrated Unitor™ CargoClean HD to easily remove the Unitor™ CargoBarrier HD film including all existing dirt and stains, mix just 10% of Unitor™ CargoClean HD with 90% fresh water, leave for 10-15 minutes and finally flush down with a clean water jet.

After flushing with water, let the surfaces dry and then repeat the treatment with applying Unitor™ CargoBarrier HD™ before the next cargo.

Unitor™ CargoBarrier HD™ may also be used on areas (deck, superstructure etc.) exposed to dust during loading and unloading operations.

Note! The lowest surface temperature when applying Unitor™ CargoBarrier HD™ is +5°C, maximum temperature for surfaces and cargo should not exceed +70°C.

Always follow paint manufacturer recommendations and always allow paint to cure before applying cargo or chemicals.

## Related products

### Is consumable by

**778955** UNITOR CARGO HOLD COMPACT KIT  
**778855** PANAMAX CARGO HOLD CLEANING KIT

### Is frequently bought together with

**778855** PANAMAX CARGO HOLD CLEANING KIT  
**779104** CARGOCLEAN HD 25 LTR

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