

NAVADAN FRESHHOLD 25 LTR

Product group: **024** Product number: **4000171**

Navadan FreshHold is a liquid acid containing active descaling agents, corrosion inhibitors and wetting agents. Its formulation makes it ideal for removal of limewash, cement, clinker, concrete, rust and scales. It can be discharged according to Marpol Annex V.



Product information

Navadan FreshHold is a safer, more efficient and better alternative to muriatic acid. Its additives are carefully selected to provide good wetting profile, corrosion inhibition, descaling property. It is designed to remove stubborn cargo deposits originated from cement, clinkers and limewash. A hydrochloric based product that provides descaling function yet prevent aggressive corrosion on ferrous metals. Product is not suitable for used on Zinc, Aluminium, galvanized and stainless steel.

Features

- Highly effective concentrated product, based on Hydrochloric acid that contains corrosion inhibition property on ferrous metals
- Contains special inhibitors to protect the hull from corrosion
- Contains special surfactants to ensure a good wetting effect
- Removes cargo sediments such as cement, clinker, limewash, loose scale and rust from cargo hold bulkheads and coated metal surfaces

Benefits

- Reduce corrosion risk
- Easy to rinse off
- Fast and effective
- Water soluble and non-flammable
- Able to penetrate into the smallest interstices and makes the cleaning significantly more efficient than pure Muriatic Acid

Specification

General

Invent Hazard Material (IMO/IU) classification	C-49
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Physical properties

Appearance	Colorless to pale light yellow liquid
Density [g/ml]	1.10 - 1.16
Flash Point [°C]	None
Odour	Pungent
pH	1.0

Documents

[SDoC and MD for IHM](#)

[SDoC and MD](#)

Directions for use

Navadan FreshHold is supplied in concentrated pails and drums; and should be mixed with **fresh water** before use.

Before applying, make sure the cargo hold is dry and dry cleaning has been performed. The dilution ratios between **fresh water** and Navadan FreshHold depend on the previous type of cargo, the amount of residues to be removed, and the condition of the hold. We recommend doing a small test to find the suitable dilution. Start by diluting between 1:9 and 1:2 (10~50% solution) to find the ideal dilution. After using Navadan FreshHold, it is essential to thoroughly rinse all metal surfaces at least once with a 0.5% solution of Navadan CleanHold in fresh water. This will neutralize any remaining acidity and passivate steel surfaces.

Apply Navadan FreshHold using the Navadan Ultimate Kit, Panamax Kit, or Essential kits to surfaces to be cleaned. On heavy deposits, Navadan FreshHold can be used undiluted.

Apply to one side at a time and let the product soak for 10 to 15 minutes. Then, using the Navadan Tornado kit, wash it down with water before applying it to the next side. Do not allow Navadan FreshHold to dry up on the hold surfaces. Repeat the cleaning procedure if necessary.

After washing down, always perform a final rinse with fresh water to avoid salt residues on the surface. Rinse the equipment with fresh water after usage and before storage. **When in doubt, always consult Wilhelmsen's tank and hold cleaning specialists.**

Important Notes: · Do not allow Navadan FreshHold to dry up on the hold surfaces. · Only use **fresh water** when mixing with chemicals. · Always fill in the fresh water first, then Navadan FreshHold. NEVER add water to acid, ALWAYS add acid to water. · When handling acids, be sure to wear safety protective gears (goggles, rubber gloves, rubber boots, and rubber clothings/aprons). · Navadan FreshHold should always be used in plastic containers only.

Related products

Is consumable by

2009027
NAVADAN APPLICATOR KIT

Is frequently bought together with

2009034
NAVADAN PROTECTION KIT

2009029
NAVADAN ULTIMATE KIT

2009027
NAVADAN APPLICATOR KIT

2009033
NAVADAN SUBMERSIBLE KIT

2009032
NAVADAN DIAPHRAGM KIT

2009031
NAVADAN MAXI KIT

2009030
NAVADAN TORNADO KIT