Wilhelmsen Ships Service

UNITOR by Wilhelmsen

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METAL BRITE HD 25 LTR

Product group: **651** Product number: **571679**

Unitor™ Metal Brite H.D is a liquid detergent compound containing phosphoric acid and non-ionic surfactants, used for rust removal and as a surface brightener.

Product information

This product supersedes product no: **602888**

Unitor™ Metal Brite H.D is a non-flammable rust and metal tarnish remover. It is highly concentrated and very economical in use.

Features

- Does not contain nonyl phenol ethoxylates or other estrogenic compounds
- Economical in use
- Non-flammable
- Surface brightening including aluminium

Benefits

- Cleans and passivates ferrous metal surfaces, inhibits further corrosion, and gives a base which paint will adhere
- Approved by the Norwegian Institute of Public Health for use as cleaner of tanks in contact with cooking oil
- Removes light rust and rust stains
- Removes tarnish from non-ferrous metals
- Removes rust stains from painted, ceramic and wooden surfaces

Specification

General

Invent Hazard Material (IMO/EU) classification	C-11

Physical properties

Appearance	Light yellow
Density [g/ml]	1,3
Form	Liquid
pH	2 in 1% solution

Technical data

Not Compatible	Long term exposure may lead to corrosion of mild steel, cast iron, aluminium and alloys, brass, tin or galvanized material.
Volume (l)	25

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.

Documents

Direct access to the Environmental Product Declaration (EPD) for this product

SDoC and MD for IHM

Directions for use

Dosing method

Unitor™ Metal Brite H.D. should always be used in a plastic bucket. Acid should always be added to water, never the reverse. Remove dirt, rust flakes, oil and grease prior to using Unitor™ Metal Brite H.D.

Apply Unitor™ Metal Brite H.D. to surfaces to be cleaned or pickled as follows:

For severely corroded surfaces and pickling of welding repairs, use 50% solution to neat.

For less severely corroded or soiled surfaces and tarnish on copper and brass, use a solution of 20–50%, and rinse off surface after 15–40 minutes with water.

On aluminium, use a solution of 10--30%, but rinse off surface maximum 5 minutes after application.

For removal of rust stains on painted surfaces, a solution of 10--30% should be sufficient. Rinse off with water 15--20 minutes after application.

For removal of rust stains on ceramic tiles, enamels, porcelain, glass etc., use a solution of 20--50%, depending on stains and soiling. Rinse off with water after 20--40 minutes.

For removal of light cement stains and lime, apply a 50% solution, and high pressure wash after 30--40 minutes, and for solidified cement use Unitor™ Descaling Liquid.

For removal of light rust and scale in pipelines and tanks, recirculate a solution of 5--10% Unitor™ Metal Brite H.D by our Unitor Cleaning Unit **572060.** For discoloration of stainless steel and epoxy coated tanks use the same method.

For removal of white residues from epoxy-coatings that sometimes remains after carriage of Stearin, Olein, Palm fatty acid etc., recirculate a solution of 5--10% Unitor™ Metal Brite H.D. When injected, use a 5% solution. Recirculate or inject until residue is removed.

Related products

Is consumable by

778862
UNITOR 4 CHEMICALS DILUTION STATION

737189
CHEM. CLEAN. UNIT W/HEATING, COATED

572060
UNITOR CHEMICAL CLEANING UNIT

Is frequently bought together with

607826
AQUATUFF 25 LTR

571752
NATURAL HANDCLEANER 4X5 LTR

765018
ENVIROCLEAN 25 LTR

734781
SAFE CHEMICAL HANDLING PROTECTION PPE KIT

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