



## Metal Brite H.D. 25 I™

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**Product Group: 651**

**Product number: 571679**

### General description

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.

### 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
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### Ordering information

Product number	Product name
571679	METAL BRITE HD 25 LTR

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### 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.
  - Approved by the Norwegian Institute of Public Health for use as cleaner of tanks in contact with cooking oil.
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### 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:

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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. 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.

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## Documentation

- [METAL BRITE HD 25 LTR](#)
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## Further Technical Data

Form	Liquid
Appearance	Light yellow
Density	1,3
pH, 1% sol.	2
Non Compatible	Long term exposure may lead to corrosion of mild steel, cast iron, aluminium and alloys, brass, tin or galvanised material.