

DUTO M-BRITE is a liquid detergent compound containing phosphoric acid and non-ionic surfactants, used for rust removal and as a surface brightener.

## Product information

DUTO M-BRITE 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
- 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	<b>C-11</b>
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### 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.

### Directions For Use

DUTO M-BRITE 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 DUTO M-BRITE

Apply DUTO M-BRITE 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.

# DUTO M-BRITE

Maintenance Chemical



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 rust and scale in pipelines and tanks, recirculate a solution of 5--10% DUTO M-BRITE. 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%.

DUTO M-BRITE When injected, use a 5% solution. Recirculate or inject until residue is removed.

# ***Duto*** ***Marine***

***Duto***  
***Chem***

***Duto***  
***Hold***

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***Kits***

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