

# DUTO SURFEX-HP

Maintenance Chemical

**Duto**  
**Hold**

## Heavy duty water based chlorinated alkaline tank & hold cleaner

### DESCRIPTION

DUTO SURFEX-HP is a high alkaline, chlorine based product for the removal of discoloration stains in cargo tanks caused by soot or red/ and or yellow dyed gasoline cargo from epoxy and zinc based tank coatings.

### ADVANTAGE

- Suitable on epoxy and zinc tank coatings
- Fast acting
- Biodegradable
- Does not contain nonyl phenol ethoxylates or other estrogenic compounds.
- Free from hydrocarbon solvents
- Effective and economical in use

### APPLICATIONS

#### Tank Cleaning

DUTO SURFEX-HP is generally used for removing soot stain deposits from zinc and epoxy coated tanks. It is also very effective for bleaching of stains caused by the carriage of dyed gasoline cargo.

#### Cargo Hold Cleaning

DUTO SURFEX-HP is used to clean cargo holds after carrying cargoes such as pet coke, coal and mineral oil residues.

### DIRECTIONS FOR USE TANK CLEANING

DUTO SURFEX-HP is used in a 1-3% solution in fresh or seawater. Circulate at ambient temperatures for 2 – 4 hours. One solution usually is sufficient to clean 3-4 tanks. After this cleaning rinse thoroughly with a sufficient amount of fresh water.

### DIRECTIONS FOR USE HOLD CLEANING

After sweeping and de-mucking apply DUTO SURFEX-HP in a 10 - 50 % solution depending on the contamination. Let the product soak for 30 minutes making sure not to let the solution dry on the surface. Then spray off with water. DUTO SURFEX-HP can be applied by the DUTO Hold Cleaning Kit.

### PROPERTIES

pH (1 % solution)	> 11
Density	1,20 g/cm <sup>3</sup>
Flashpoint	None
Physical state	Liquid

### APPROVALS

- IMO approved in accordance with MEPC 590 Guidelines

For detailed information on safety and health, please refer to the Material Safety Data Sheet MSDS and/or product label.

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

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

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