

Powerful non caustic cleaner

DESCRIPTION

DUTO SURFEX-K is a non caustic cleaner which is applicable at lower temperatures (20 - 60 °C). DUTO SURFEX-K is suited to remove vegetable and animal oils and fats, even hardened or carbonized.

Besides tank cleaning, DUTO SURFEX-K is used for general cleaning and maintenance on deck, in the accommodation and in the engine room.

ADVANTAGE

DUTO SURFEX-K provides economic removal by saponification and emulsification, at low cleaning temperatures (20 - 60 °C), of:

- Vegetable, fish, animal oils and fats
- FAME, palm oils, palm fatty acids
- Other drying and semi drying oils, mineral oils and Inert Gas Soot

APPLICATIONS

Cargo Hold Cleaning

DUTO SURFEX-K is used to clean cargo holds after carrying cargoes such as pet coke, coal and mineral oil residues. After sweeping and demucking apply Surfex-K 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-K can be applied by the Duto Hold Cleaning Kit.

Tank Cleaning

Before cleaning with DUTO SURFEX-K it is recommended to prewash with hot water. For drying or semi-drying oils a prewash with cold water should be carried out immediately after discharge of cargo to prevent against oxidation and hardening of oil residues. After 1 cycle slowly start to increase the water temperature to increase effectiveness of the prewash.

Recirculation Method

Recirculation is highly effective and widely used. In this method a chemical solution is pumped via a closed loop through a mechanical tank washing machine. The chemical solution is normally prepared in the tank to be cleaned or in the slop tank. Heat is achieved by the use of a heat exchanger, steam coils or live steam injection. The advantages of this method are the recovery of the heat and chemicals to clean additional tanks. DUTO SURFEX-K is circulated as a 1 - 5 % solution at 20 - 60 °C for a period of 2 - 6 hours. After circulation rinse thoroughly with water. Depending on the degree of contamination one solution can be used to wash 1 - 3 tanks.

Direct Injection Method

Inject 1 - 5 % of DUTO SURFEX-K directly into the tank washing system. The recommended cleaning temperature is 20 - 60 °C. When completed rinse thoroughly with water.

Spray Method

Depending on the amount and character of the contamination, DUTO SURFEX-K is to be used pure or diluted at a temperature of 20 - 60 °C. Allow the product to work for 20 to 60 minutes and spray afterwards with a powerful high pressure water jet. Warm water is to be preferred.

Immersion Bath

For slight oil-contaminations, DUTO SURFEX-K can be diluted with water to a 10 % solution. Heat the liquid with a heating coil or by means of steam injection to 20 - 60 °C. Submerge the objects to be cleaned in a bath for several hours. Brush the objects while rinsing them or spray with a powerful waterjet. In case of heavily contaminated objects, DUTO SURFEX-K is applied undiluted in an immersion bath, for example: to remove old paint layers, to clean oil and grease filters, to clean deep fry equipment, to clean baking ovens, etc.

DUTO SURFEX-K

Maintenance Chemical

Duto
Hold

General Cleaning

For general cleaning on deck use a 1 - 10 % solution and in the accommodation a 1 % solution of DUTO SURFEX-K in luke warm water. Apply the solution by means of brush or mop. For general cleaning allow soaking for a few minutes before rinsing off with water. In case of hardened or carbonized oil residues soak the contaminated area as long as possible without letting the liquid dry out, brush off with water.

Fire caused smoke deposits

For cleaning of fire caused smoke deposits use a 1 - 10 % solution.

DUTO SURFEX-K is suitable for use on most metals except for aluminum, tin, zinc and galvanized materials.

DIRECTIONS FOR USE (SEE APPLICATIONS)

DOSAGE

Direct Injection	1 - 5 %
Recirculation	1 - 5 %
Immersion Bath	10 %
General Cleaning	1 - 10 %
Hold Cleaning	10 - 50 %

PROPERTIES

pH	>12
Density	1,09 g/cm ³
Flashpoint	None
Physical state	Liquid

APPROVALS

- Marinfloc Approved OWS Compatible
- Major coating manufacturers

All our supplied hold cleaning chemicals are IMO comply with the set Marpol MEPC 63/23/add. 1, Annex 24 resolution MEPC.219(63) – Annex V – 2012 guidelines adopted March 2012.

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

Duto ***Marine***

Duto
Chem

Duto
Hold

Duto
Kits

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