

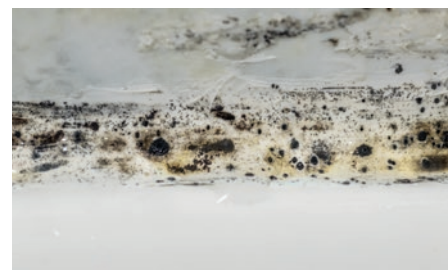


# Better indoor air quality, better health, better safety of crew and passengers

In hot and/or humid conditions, marine HVAC systems and package AC units are the ideal breeding grounds for bacteria, Legionella and mould, which affects the cleanliness of vessel air-conditioning systems, and therefore the health of crews and passengers.

Many common moulds and yeast spores can produce allergenic effects and unpleasant odours. Repeated exposure to high concentrations of spores from any number of species (such as *Penicillium* and *Aspergillus*) can lead to crew sensitisation and can result in both acute (short term) and chronic (long term) health problems.

According to the Maritime Labour Convention (MLC), 2006 Guideline B3.1.2 - Ventilation 2b, it is required that all air conditioning systems are designed to facilitate easy cleaning and disinfection to prevent or control the spread of disease. Therefore, a proper duct air treatment system is crucial in maintaining a healthy air quality onboard the vessel.



Presence of mould, fungus and mildew in the air conditioning systems

## Unitor™ Duct Air Treatment (DAT)

The Unitor™ Duct Air Treatment (DAT) is a natural biodegradable, non-toxic gel block consisting of complex polysaccharides, surfactants, purified water and pure Australian Tea Tree Oil with naturally occurring anti-fungal, anti-viral, anti-bacterial, anti-septic and anti-carcinogenic properties. It is formulated into a thermo-reversible solid water gel.

The DAT is suitable for use in all air conditioning systems, including ducted systems and packaged units. The block will evaporate and mix tea tree oil into the air flow (10 – 45 micrograms per m3 of air). For example, a 2kg block in an Air Handling Unit (AHU) supplying 50,000 m3/hr will last for about 40 days.

### Features

- Suitable for use in all air conditioning systems
- A natural, biodegradable, non-toxic gel block
- Formulated into a thermo-reversible solid water gel
- Uses pure Australian Tea Tree Oils

### Benefits

- Effectively removes bacterial breeding grounds
- Disinfects impurities in the air conditioning systems
- Overall good indoor air quality for the crew and passenger's health
- Easy to use without additional energy required, saving costs



Unitor™ Duct Air Treatment (DAT)

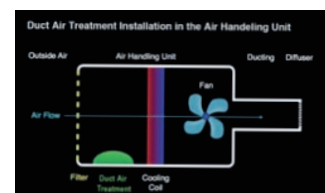


#### Technical Specifications

Product Number, Weight	743466, 2 kg
Product Number, Weight	764417, 4 kg
Package Type	Aluminium bag
Melting Point	<50°C with decomposition
Appearance	Yellow solid gel
Quantity	1



Easy to install



DAT installation in the air handling unit

## Check out our EasyClean range of cleaning chemicals and disinfectants

Create a safe and protected environment for your crew with the Unitor™ EasyClean range that is designed for maintaining the cleanliness of the galley and accommodation quarters onboard the vessels.

Product	Product Number
Easyclean Hand Sanitizer	778856
Easyclean Liquid Hand Soap	778853
Easyclean Liquid Hand Soap D	778858
Easyclean Cleaning & Disinfection	778845
Unitor Hand Care Dispenser 2	778841
Unitor Mixing Stations	778844, 778833

**Wilhelmsen Ships Service**  
Phone: (+47) 67 58 40 00  
Fax: (+47) 67 58 40 80

Postal Address:  
PO Box 33, NO-1324  
Lysaker, Norway

wilhelmsen.com

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