

Hadex®
Drinking water disinfectant.
Keeps your crew healthy.



# **Hadex**®

The drinking water disinfectant for maritime and offshore.



# Approvals

Hadex® has been tested and approved by a number of (maritime) authorities in the Netherlands and abroad, including:

- Dutch Ministry of Health (Ctgb registration No. 9574N)
- Dutch Directorate General for Shipping and Maritime Affairs, Shipping Inspection, Division NSI (NL)
- DOT (UK)
- NIPH approved (Norway)
- NMD (Norway)
- GL (Germany)
- NATO

## Water, essential for all life

The importance of water to life is self-evident. However, water is also one of the major sources of infection, and the cause of many forms of illness. Bacteria, algae and other micro-organisms can grow extremely quickly in water and just like food, water deteriorates.

The safety of drinking water aboard ships and rigs cannot be taken for granted. Drinking water treated with Hadex® remains fit for consumption.

# Safe drinking water

Hadex® keeps the drinking water in good condition. It is food grade and is approved as a continuous disinfectant in drinking water. Hadex® prevents water wastage and saves time, as against other disinfecting agents that are harmful, dangerous and/or difficult to dose. Because of the overall action of Hadex® in water it also disinfects the tanks, pipelines and all water fed equipment. It keeps your crew healthy.

### Characteristics

Hadex<sup>®</sup> is not only a safe, effective and easily applied product, but compared with other products has even more advantages:

- · it is easily stored
- it has a very long shelf life:
  - at least eighteen months under normal conditions (t=25°C).
- at least three years if stored cool (t=≤6°C).

Other products have a shorter shelf life. For example, industrial sodium hypochlorite loses about 30% of its effectiveness after storage for 30 days at 30°C.

Drinking water treated with Hadex<sup>®</sup> is ready for consumption.





#### Approved | Safe | Easily applied | Cost-effective | Food grade

## Dosing



Hadex® is ready for immediate use as delivered. Because it is a very pure, stable and safe product, it facilitates swift and accurate dosing. As it is a liquid product that mixes quickly and easily with water, it can be added simply to the water through the filling pipe or through the tank

opening. Hadex® starts disinfecting immediately, and the water is ready for consumption after a short period of only 30 minutes when applying the normal dosing.

#### Standard dosages



There are three standard dosages for drinking water treatment in most situations. They all meet the standards laid down by international maritime authorities.

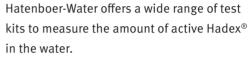




#### 2 Extra dosage

- 1 litre Hadex<sup>®</sup>: 25,000 litres of drinking water Intended for the treatment of water that is of inferior or doubtful quality.
- 3 High dosage (shock treatment)

  1 litre Hadex®: 5,000 litres of drinking water
  Intended to be used under epidemic
  conditions and/or when it is suspected that
  the water might be infected. High dosage
  should also be applied as an initial treatment
  for the disinfection of tanks and pipelines
  after repairs or renewals.



Of course, Hatenboer-Water can provide you with detailed information regarding dosing or you can download the application data sheet from www.hatenboer-water.com.

#### Automatic dosing units

A range of automatic Hadex® dosing units is available. The standard Hadex® dosing units are proportional controlled, by use of pulse generating flow meters. For larger flows, especially in bunker systems electromagnetic flow meters are also available. All dosing units can be supplied to meet your own specifications. A major advantage of the Hatenboer-Water dosing units is that the standard packing is designed to be as a dosing container. Therefore safer and easy to use.

#### Water Quality

Hatenboer-Water recommends that the water be tested periodically for bacteriological quality, certainly in the case of new installations or when repairs have been carried out. Hatenboer-Water can arrange worldwide sampling, analysis

reporting, which is carried out according to official standards. Contact the Water Quality Department for more details.



Dosing unit

HADEX





## Highest standards

Hadex® treatment is based on the proven and tested use of free chlorine in the preparation and final treatment of drinking water. Hadex® treatment combines this traditional practice with a number of important advantages, meeting the highest standards set for a drinking water disinfectant.

# What standards should one expect of an effective drinking water disinfectant?

- It should be food grade quality.
- It should swiftly destroy any harmful organisms, and should remain active for a sufficiently long period.
- It should have no adverse effects on water quality, and should not allow the water to become corrosive.
- It should be cost-effective per cubic metre of treated water.
- It should be simple to apply.
- It should be immediately and easily soluble in water.

#### Hadex® meets all these standards!

Hadex<sup>®</sup> is a registered trademark of Hatenboer-Water BV.

# Fresh in water since 1906.

With specialist expertise, in-house engineering, design and production in a modern operating environment, Hatenboer-Water supplies sustainable solutions for all your water-related challenges and basic needs. From the supply of a standard product such as a pump or filter, right up to fully integrated custom-made water treatment systems incorporating proven technologies and innovative developments. With all necessary worldwide after-sales service, consultancy and quality assurance.



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