Part # GB01
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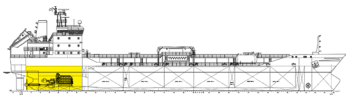
LIQUIVAP

Evaporators Foaming and Scale Formation Preventer

Technical Information

USAGE AREAS



Water Treatment

PACKAGING

Physical Data

Appearance:	Yellow liquid
Specific gravity:	1.15 at 20°C
pH in 1% solution in water:	7.8
Flash Point:	None
Corrosive action:	None on: ferrous metals, light metal alloys, plastic.

Description

LIQUIVAP is a liquid compound containing synthetic polymers, sequestering agents, and de-foaming agents.

Application

It is suitable for use with both high and low-pressure evaporators to:

- Prevent scale formation.
- Prevent foaming.

Advantages

- Safe to use with evaporators where distillate is used for drinking purposes.
- Maintains evaporator efficiency and production at maximum levels.
- Controls scale formation and helps prevent the need for acid descaling.
- Reduces formation and carryover of foam into the distillate.
- Contains no phosphates.
- Non-detrimental to distillate purity.
- Concentrated product.
- Economical in use.

Direction for Use

- HARDNESS CONTROL should be dissolved in hot water (50°C). The solubility of the product is 100 g/litre. Ensure the treatment is fully dissolved.
- For optimal results, dose HARDNESS CONTROL directly to the boiler via the bypass pot-feeder installed in the boiler water feed line. In low-pressure boilers, HARDNESS CONTROL may be dosed to the hot well (condensate return tank).

Direction for Use - Product Dose

- LIQUIVAP should be diluted in freshwater and continuously fed to the evaporator feed water line, or directly to the evaporator shell using a recommended dosing system consisting of a dosing tank with a flowmeter and suitable eductor, or a metering pump system.
- The normal dosage rate is recommended to be 25 ml of LIQUIVAP per ton of distillate production, based on the evaporator's rated capacity. For a 40-ton per day evaporator, 1 liter of LIQUIVAP should be used daily.

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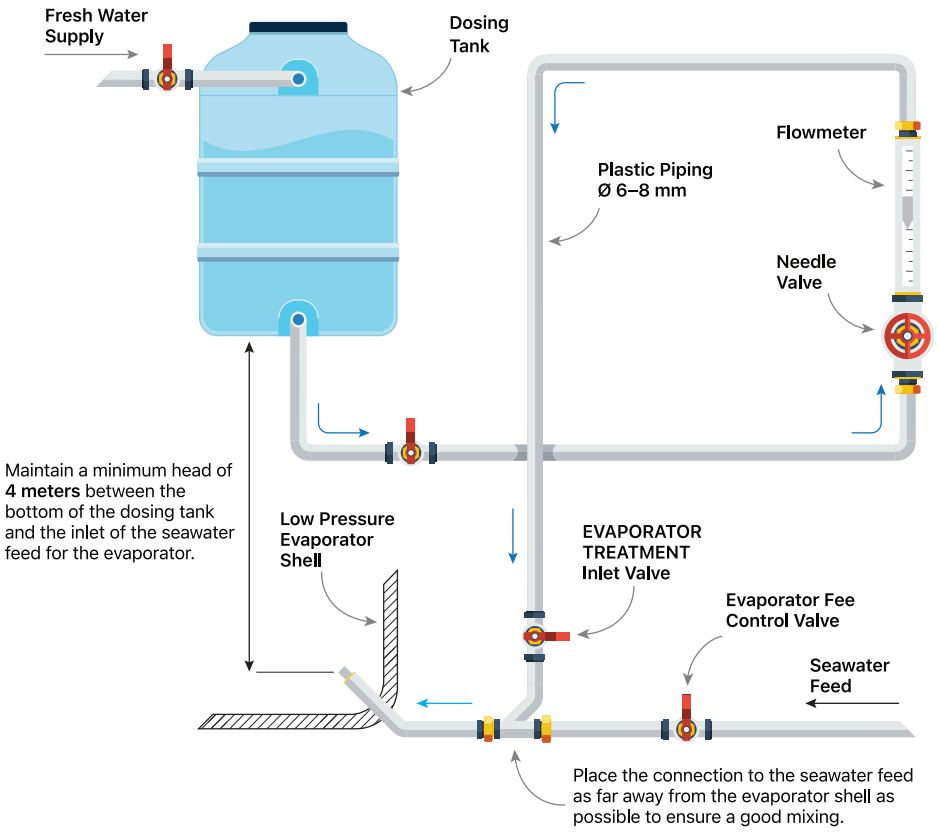
- Solution strength and feed rates should be calculated to give the required dosage through continuous feeding.

Note:

1. Brine density should not exceed 1.5/32 (specific gravity: 1.038). Scaling potential rapidly increases at higher brine densities.

2. Prior to starting treatment, it is recommended to remove any existing evaporator scale. DESCALING POWDER or LIQUID is recommended for this use.

Dosing Equipment for Evaporator Treatment and Other Specified Products



Safety and Environment (HSE)

Uniservice Unisafe Srl have carefully developed their products to minimize the safety risks and environmental impact of using their products. However, Uniservice advises that, prior to using its products, users should read in detail the accompanying Safety Data Sheet and ensure that its products are applied within the required HSE regulations of the country in which the user operates. Best practice and safety requirements should be followed which will likely include method statements and risk assessments, together with any specific requirements of the user's own company HSE requirements.

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Important Notice

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, this information is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you do a test to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by Uniservice Unisafe Srl hereunder are given gratis, and Uniservice Unisafe Srl assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk. Product images are for reference purposes only.

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