Triquart AM

Description:

Liquid, light alkaline, amine-based disinfecting agent for the food and beverage industry

Product strengths:

- excellent disinfecting properties
- highly effective at low temperatures
- Marks & Spencer approved
- EDTA and NTA-free

Properties

Concentrate liquid	**Appearance:**	clear, colourless to light yellow
	Storage stability:	0 - 40 °C
	Solubility:	at 20 °C miscible with water in any proportion
	Density:	1.075 - 1.095 g/cm³ (at 20 °C)
	P content:	0.00 %
	N content:	1.10 %
	COD:	230 mg O_2/g
Application solution	**pH:**	10.2 – 11.0 (1 %, 20 °C, deionized water)
	Conductivity:	1.2 mS/cm (1 %, 20 °C, deionized water)
	Foam characteristics:	slightly foaming, not suitable for CIP-systems

* Parameters subject to incoming goods control

Material compatibility:	**Triquart AM** is, under the application conditions described below, compatible with
Metals	steel, austenitic CrNi steels (quality at least DIN 1.4301 = AISI 304), aluminium, copper and its alloys.
Plastics	PE, PP, PVC, PTFE
Others	glass and ceramic surfaces
Sealings	FPM, EPDM, NBR

Microbiology

EN 1276 Bactericidal Efficacy

Pass criteria	Test organisms	Temperature	Clean conditions (0.3% BSA)	Dirty conditions (3.0% BSA)
>5 log reduction	***Bacteria*** - *Staphylococcus aureus* - *Pseudomonas aeruginosa* - *Escherichia coli* - *Enterococcus hirae*	20°C	0.5% 5min.	0.5% 5min.
		10°C	1.0% 5min.	1.0% 5min.

EN 1650 Yeasticidal efficacy

Pass criteria	Test organisms	Temperature	Clean conditions (0.3% BSA)	Dirty conditions (3.0% BSA)
>4 log reduction	***Yeast*** - *Candida albicans*	20°C	0.5% 5min	2.0% 5min
		10°C	1.0% 5min.	1.0% 5min.

EN 13697 Bactericidal and Yeasticidal efficacy

Pass criteria	Test organisms	Temperature	Clean conditions (0.3% BSA)	Dirty conditions (3.0% BSA)
Bactericidal efficacy >4 log reduction Yeasticidal efficacy >3 log reduction	***Bacteria*** - *Staphylococcus aureus* - *Enterococcus hirae* - *Escherichia coli* - *Pseudomonas aeruginosa*	20°C	2.0% 5min.	1.0% 5min.
		10°C	3.0% 5min.	1.0% 5min.
	Yeasts **-** *Candida albicans*	20°C	1.5% 5min.	1.5% 5min.
		10°C	3.0% 5min.	3.5% 5min.

Application

Triquart AM is a high performance amine based disinfectant for manual, soak or spray application.

Triquart AM may be used in hot or cold solutions as a terminal disinfectant following a clean. This product is stable in hard or soft water. Use solutions of **Triquart AM** are almost odourless and are non-tainting. **Triquart AM** attacks biofilms allowing penetration and dispersal.

Triquart AM is suitable for the disinfection of plants and instruments as well as floors and walls in food processing, dairy and beverage industries.

Spray disinfection	Concentration:	2.0 - 3.5 %
	Temperature:	10 - 20°C
	Contact time:	5 minutes
Static disinfection	Concentration:	2.0 – 3.5 %
	Temperature:	10°C – max 40°C
	Contact time:	for several hours possible

Final rinse using potable water ensuring that all soil and product residues are completely removed.

Marks & Spencer	Concentration	2.0% - 3.5%
	Temperature:	10°C- 20°C
	Contact time:	5 minutes

Triquart AM is a powerful atmospheric disinfectant when used in fogging processes.

Triquart AM also functions effectively as a light duty detergent-disinfectant in one-stage cleaning by hand and as a foot bath sanitiser.

Triquart AM has been subjected to taint testing by independent laboratories and, if used in accordance with the application instructions described, will not give rise to taint.

Monitoring

Concentration determination

Dilute solutions of **Triquart AM** can be analysed using the Ecolab Disinfectant Test Kit.

Important indications !

- Effluent, containing chemicals, must only be discharged according to the local regulations
- Chemicals containing effluent must only be discharged into the biological treatment station after passing the neutralization- and buffer tank
- When discharging chemically polluted effluent, it is essential to pay specific attention to the bacteria toxicity of this water. This is especially important when dealing with biocide containing effluents and anaerobic sewage plants
- In case of doubt please seek advice from our technical service

Safety

The relevant hazards identifications of **Triquart AM** are given in the EC Safety Data Sheet. If any questions arise in this context please contact your Ecolab representative.

Use biocides safely. Always read the label and product information before use.

The statements, information and data presented herein are believed to be accurate and reliable. The information describes the characteristic features of **Triquart AM** in ordinary use but cannot be taken as a guarantee, express warranty or implied warranty for the suitability for a particular purpose and shall not extend mandatory warranty rights (if any). The specifications and performance may vary subject to the operational conditions. Since numerous parameters will influence product performance and applicability, this information does not exonerate the user from liability with respect to the suitability of the product and the appropriate safety measures to be taken. Moreover, a possible infringement of patent rights must be avoided at all times.

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