



F&B Divosan TC 86

VS8

Chlorinated detergent-disinfectant for hard water

Description

Divosan TC 86 is a low foaming, chlorinated alkaline detergent-disinfectant for CIP and spray washing use in the food, beverage and dairy industries.

Key properties

- Divosan TC 86 contains a blend of caustic alkali, sodium hypochlorite and organic sequestrants/threshold agents. This combination of ingredients provides excellent soil and stain removal properties for use in hard water conditions. It also provides a highly effective disinfectant action against all types of microorganisms including bacteria, yeasts, fungi, spores and viruses.
- Divosan TC 86 is recommended as a single-stage cleaner and disinfectant for use in a wide range of CIP and spray washing applications. It is used in brewing and beverage plants for cleaning fillers, sugar/syrup tanks, open vessels, yeast handling and filtration equipment. It can be used in bars and restaurants for beer line cleaning. It is also used in dairies for cleaning milk reception areas and in food processors for general CIP of equipment and drain cleaning.
- Divosan TC 86 is low foaming and is suitable for use with a variety of CIP and spray washing equipment.

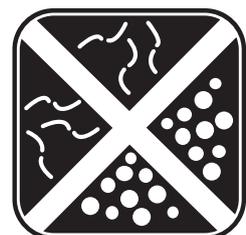
Benefits

- Broad spectrum disinfectant action.
- Highly efficient in the removal of organic material including food soil, stains and off-flavours.
- Low foaming under conditions of high turbulence, improves cleaning efficiency.
- Free-rinsing, minimises water usage.
- Cost-effective for use in hard water.

Use instructions

Use Divosan TC 86 at concentrations between 2-4% w/w (1.6-3.2% v/v) depending on the type and degree of soiling. Always rinse thoroughly after use.

For specific details, please refer to individual method cards.





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Technical data

Appearance: Clear, pale yellow-green liquid

pH (1% solution at 20°C): 12.5

Relative density (20°C): 1.2

Chemical Oxygen Demand (COD): 20 gO₂/kg

Nitrogen Content (N): None

Phosphorous Content (P): 2 g/kg

Divosan TC 86 [% w/w] - Specific conductivity at 25°C [mS/cm]: -

0.5 - 4

1 - 7.8

2 - 14.9

3 - 21.8

4 - 28.6

5 - 34.4

The above data is typical of normal production and should not be taken as a specification.

Safe handling and storage information

Store in original closed containers or (where applicable) in approved bulk tank, away from sunlight and extremes of temperatures. Full guidance on the handling and disposal of this product is provided in a separate Safety Data Sheet.

Product compatibility

Divosan TC 86 when applied at the recommended concentration and temperature is suitable for use on the grades of stainless steel commonly found in the processed food industry. It is unsuitable for use on cuprous materials and on soft metals such as aluminium. Always rinse surfaces thoroughly after use (within 1 hour). In the event of uncertainty, it is advisable to evaluate individual materials before any prolonged use.

Test method

Reagents:

0.1 N Hydrochloric or sulphuric acid

0.1 N Sodium thiosulphate

Phenolphthalein indicator

Procedure:

Add approximately 10 ml of 0.1 N Sodium thiosulphate to 10 ml of test solution, mix well and allow to stand for about 30 seconds. Add 2-3 drops of indicator solution and titrate with acid to a colourless end point.

Calculation:

% w/w Divosan TC 86 = titre (ml) x 0.36

% v/v Divosan TC 86 = titre (ml) x 0.3

Microbiological data

EN 1276: passed at 1.5% dilution in hard water (300ppm as CaCO₃) and soil (0.3% bovine albumin), 5 minutes contact time.

EN1650 (Candida albicans): passed at 1% (v/v) dilution in hard water (300ppm as CaCO₃) and high soil (3 g/l bovine albumin), 15 minutes contact time.

EN 13967 (Bactericidal): passed at 4% dilution in hard water (300ppm as CaCO₃) and low soil (0.03% bovine albumin), 5 minutes contact time and at 1.5% dilution in hard water (300ppm as CaCO₃) and low soil (0.03% bovine albumin), 30 minutes contact time.



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