



Bakzid®

- Free of secondary amines
- pH stabilising effect
- No sensitisation (no R 43 labelling)
- Halogen free formulation

Bakzid® is a preservative based on bisoxazolidine. As a basic preservative it is intended for incorporation into alkaline products and diesel fuel. It features high product quality, illustrated by its light appearance and low water content. The microbicidal effect against bacteria is excellent, but also extends to yeasts and moulds.

Product specification

Appearance (visual):
clear colourless liquid

Density, (20 °C)/ DIN 51757 (D):
1.054-1.088 g/cm³

Refractive index, (20 °C)/ DIN 51423:
1.470-1.478

valid from: 01.07.2005

Application and dosage recommendations

For the preservation of:
water-based preparations..... 0.05 – 0.20 %
metal-working fluid concentrates..... 1.00 – 3.00 %

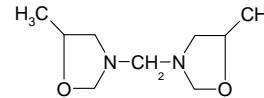
For the post-treatment of:
metal-working fluid systems 0.10 – 0.15 %

We recommend to determine the optimum preservative concentration and compatibility with individual formulations by means of laboratory tests.

Instructions on application

Usable in pH-range 8 – 12
Usable at temperatures up to 60 °C
Solubility: miscible with water, lower alcohols and glycols

Active substances



3,3'-methylenebis[5-methyloxazolidine]

Listings and approvals of ingredients

EINECS EU
TSCA USA
AICS Australia
PICCS Philippines
IECSC China



Minimum inhibition concentration (MIC)

bacteria:

<i>Staphylococcus aureus</i>	0.0250 %
<i>Pseudomonas aeruginosa</i>	0.0250 %
<i>Escherichia coli</i>	0.0250 %
<i>Citrobacter freundii</i>	0.0250 %
<i>Bacillus subtilis (vegetative form)</i>	0.0250 %
<i>Enterococcus faecium</i>	0.0500 %
<i>Enterobacter gergoviae</i>	0.0250 %
<i>Acinetobacter calcoaceticus</i>	0.0125 %

fungi:

<i>Candida albicans</i>	0.1000 %
<i>Aspergillus niger</i>	0.0250 %
<i>Alternaria alternata</i>	0.0750 %

Classification and labelling

Classification: C, corrosive

R-phrases:

- 21/22 Harmful in contact with skin and if swallowed
- 34 Causes burns

S-phrases:

- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- 28 After contact with skin, wash immediately with plenty of water
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection
- 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

Packaging, storage and shelf life

Packaging:

25 kg (can), 200 kg (drum), 1000 kg (IBC)

Shelf life:

24 months from date of manufacture (expiry date see label)

Storage:

Store only in the original container. Protect from heat, frost and direct sunlight.

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

The recommendations regarding our products are based on scientific tests and are given in good faith. Recommendations going beyond these, e.g. with regard to material compatibility, are possible only in individual cases. Our recommendations do not constitute a guarantee. They do not relieve our customers of their obligation to carry out their own tests of our products for their suitability for the intended procedures and purposes. In that respect we cannot accept any liability. This is in accordance with our general conditions of supply and payment.

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

For further information please contact:

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