

RE CHEM SERVICES GmbH - Mohrmannsweg 25 - 28790 Schwanewede

Biozides

Bio-Protect / Bio-Protect Concentrate

remove water and prevent development of bacteria, fungi and microflora in middle distillates (diesel and home heating fuels) ensuring their quality and performance.

- ensure brightness and clarity
- retain fuel properties: colour, pour point, cloud point, heat of combustion
- kill fungal and bacterial organisms
- low toxicity to humans
- easy to handle
- fully soluble in fuels providing active protection from refiners to the pump
- good mid/long term activity protecting the fuel through several tank changes/variations in temperature
- contain no metals or chlorine (that may lead to corrosion in the combustion chamber)
- enhance performance of diesel cold flow improvers
- no negative effects on diesel fuel additives e.g. detergents, CFPP, rust inhibitors etc.
- low impact on environment

Application

Designed to prevent slime formation in middle distillates (especially those originating from naphthenic crudes) at all stages from refining to combustion.

RE Chem Services biocides have been designed for injection as far as possible upstream of the storage tank.

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RE Chem Services biocides are formulated to both reduce the amount of water haze and kill bacteria, moulds, and fungi at an early stage. Bakterien: Pseudomonas aeruginosa (aerobic) and Desulfovibrio desulfuricans SRB anaerobic).

Moulds and fungi: Aspergillus niger, Penicillium roqueforti, Chaetomium globosum, Cladosporium resinae and Candida tropicalis.

Dosage

Bio-Protect (concentrate) : 20 - 40 ppm on a preventative basis, 50 - 100 ppm on a curative basis.

Bio-Protect : 100 ppm on a preventative basis, 500 ppm on a curative basis.

The removal of water is key to bacterial and fungal elimination. If required, it is possible to supply a concentrated biocide ER 301, without blended dehazer, or to design alternative formulae with modified functionality.

ER 301 : 2 - 5 ppm on a curative basis.

Availability

Delivered from our manufacturing facility:

Bio-Protect (concentrate) : 200 L drums (180 kg net) or 20 t bulk.

Bio-Protect (non-concentrate) : 5 L cans.

Delivery : 3 weeks from receipt of order.

Manufactured to ISO 9002 quality standards.

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Usage/Toxicity

RE Chem Services biocides are not usable for jet fuels.

Please, check with your local RE Chem Services representative for possible physical or chemical interactions if blending with fuel additives.