



Refinery Specialties

Product Data Sheet

Product Group 15 – Biocides

Grotamar® 71

Description

Appearance – colourless to pale yellow liquid.

Grotamar® 71 is a formulated biocide that inhibits bacterial, fungal and mould growth in hydrocarbon fuels.

Composition

Proprietary mixture of biocidal components to provide a broad spectrum of antimicrobial protection.

Applications

Grotamar® 71 will provide ongoing protection against microbial activity, both bactericidal and fungicidal in all liquid hydrocarbon fuels, including biofuels.

Grotamar® 71 has an immediate effect and can be used in heavily contaminated fuel systems to kill the microbes present. This shock treatment should be followed by preventative treatment to protect against recontamination.

Grotamar® 71 partitions into both the oil and water phases to protect the fuel, water, oil/water interface and any fuel system surfaces.

Grotamar® 71 is effective against a broad spectrum of bacteria, moulds and fungi. Its long lasting activity protects multiple fuel turnovers and fuels in long term storage.

Grotamar® 71 has good anti corrosive properties and provides lasting protection against microbial material degradation.

Grotamar® 71 used as part of an effective housekeeping practice, can help reduce fuel system maintenance costs.

Grotamar® 71 can help to prevent fuel system failures related to microbial activity.

Grotamar® 71 contains no nitrate, nitrosing agents or organically bound chlorine.

Typical Properties

Density 25°C	1.05 kg/l
Viscosity (DIN 53 211) Flow time	<15 sec (20°C)
Closed Flash Point (PMCC)	>100°C

Safety and First Aid

Extreme caution should always be used when handling biocides. Always consult the Innospec Safety Data Sheet for safety information before using the product.

Treat Rate

To preserve and protect fuel systems, Grotamar® 71 is typically dosed at 50 to 200ppm. Monitor regularly and retreat when microbial activity starts to show.

To clean up heavily contaminated fuel systems, Grotamar® 71 is typically dosed at 500 to 1000ppm

If contamination is severe, large volumes of dead biomass may need to be filtered from the fuel after any shock treatment. Following such treatment, the system should follow a preventative treatment program to stop recontamination. Fuel filters should be carefully monitored and cleaned throughout any treatment process.

Dosing, Handling & Compatibility

Grotamar® 71 is best added to a dewatered tank that is approximately one third full. Grotamar® 71 can be batch injected into a part filled tank on the understanding that fresh fuel entering the tank will create turbulence to disperse the product around all of the fuel. The batched volume must be relative to the complete tank volume. When gentle agitation is available this is recommended to further ensure complete dispersant of additive.

In-line dosing as the storage tank is being filled is a preferred method because this will ensure optimum distribution of the product around all of the fuel.

Grotamar® 71 should be stored and handled away from food, feed and drinking water. Wash thoroughly after use.

Ensure compatibility of all materials that are exposed to Grotamar® 71 before use.

Technical Service and Ordering Product

Please contact your nearest Innospec Customer Service Centre / Sales Office.

Contact details for all Innospec Sales Offices are available on our website: www.innospecinc.com

Innospec Limited

Innospec Manufacturing Park
Oil Sites Road
Ellesmere Port
Cheshire CH65 4EY, U.K.
tel: +44 (0)151 355 3611
fax: +44 (0)151 356 2349

The information contained in this document is provided free of charge and is based on technical data that Innospec believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Innospec accepts no liability for any loss, damage or expense arising from, or in connection with, the use of the information. Furthermore, none of the contents of this publication should be taken as a licence to operate under any patent, nor as a recommendation to infringe any patent.