

## OCTAMAR™ LI-5 PLUS – Marine Fuel Preservative



Verified by Lloyd's Register PVS

<p><b>Description</b></p>	<p>Octamar™ LI-5 Plus is a multi-functional additive formulated to improve the handling, storage and performance of MGO and MDO fuels. Fuel systems and equipment will have the added protection from wear, fouling and corrosion when using distillate fuels intermittently or on a regular basis. Octamar™ LI-5 Plus is an ash-less product and will not add to particulates/emissions loading. The main benefits of the products have been verified by Lloyd's Register Product Verification Service.</p>	<p><b>Verified by Lloyd's Register PVS</b></p>	<p>Octamar™ LI-5 Plus improves: Oxidation Stability according to (ISO12205), Thermal Stability according to (ASTM D6468), Injector Fouling according to (CEC F-23-01 Peugeot XUD9), Steel Corrosion according to (ASTM D665A&amp;B), Fuel Lubricity according to HFRR (ISO12156), Filter Blocking Tendency according to IP387)</p>										
<p><b>Application</b></p>	<p>Manually dose Octamar™ LI-5 Plus direct to storage/bunker tanks – prior to or during every bunkering OR Manually dose Octamar™ LI-5 Plus direct to service tank – prior to or during every filling. Use a Fuelcare injection system to dose in line.</p>	<p><b>Product Benefits</b></p>	<p>Improves oxidation and thermal stability, allowing extended storage periods. Protects against the potential presence of Biodiesel (FAME), and possible corrosion caused by high TAN fuels. Reduces fuel injector fouling. Provides improved protection against corrosion. Reduces risk of filter blocking Improves fuel lubricity. Reduces wear risk of fuel pumps and fuel injection equipment. Proven by independent tests – HFRR and Bosch. No harm tests showing no adverse effects to fuels, lubricants, and fully compatible with engine and system materials.</p>										
<p><b>Dosage Rate</b></p>	<p>The recommended dosage rate is 1kg Octamar™ LI-5 Plus per 4 tonnes fuel, OR approximately 1 litre per 4 tonnes of fuel.</p>												
<p><b>Typical Properties</b></p>	<table border="0"> <tr> <td>Appearance</td> <td>Clear amber liquid</td> </tr> <tr> <td>Viscosity 40°C</td> <td>25mm<sup>2</sup>/s</td> </tr> <tr> <td>Density 15°C</td> <td>925 kg/m<sup>3</sup></td> </tr> <tr> <td>Flash Point</td> <td>61°C</td> </tr> <tr> <td>Pour Point</td> <td>&gt;-51°C</td> </tr> </table>	Appearance	Clear amber liquid	Viscosity 40°C	25mm <sup>2</sup> /s	Density 15°C	925 kg/m <sup>3</sup>	Flash Point	61°C	Pour Point	>-51°C	<p><b>Service Contacts</b></p>	<p>Please contact Fuelcare technical team: <a href="http://www.fuelcare.com">www.fuelcare.com</a> or +44 (0)1743 360784.</p>
Appearance	Clear amber liquid												
Viscosity 40°C	25mm <sup>2</sup> /s												
Density 15°C	925 kg/m <sup>3</sup>												
Flash Point	61°C												
Pour Point	>-51°C												

The information contained in this document is provided free of charge and is based on technical data that Fuelcare believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Fuelcare 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 license to operate under any patent, nor as a recommendation to infringe any patent.