



Marine Specialties

Product Data Sheet

Product Group 33 – Special Marine Products

Octamar™ LI-5 Plus

Product Description

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 product have been verified by Lloyd's Register Product Verification Service.

Physical Properties

Appearance.....clear amber liquid
Viscosity at 40°C..... 25 mm²/s
Density at 15°C......925 kg/m³
Flash point.....>144°F/61°C
Pour point.....> -51°C

Application

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 of a chemical metering pump to dose in line is optional.

Dosage Rate

The recommended dosage rate is 1kg Octamar™ LI-5 Plus per 4 tonnes fuel, **OR** approximately 1 litre per 4 tonnes of fuel

Packaging and Storage

Octamar™ LI-5 Plus is supplied in 25L non-returnable pails. Store away from heat, sparks and open flame.

Verified by Lloyd's Register PVS

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&B)
- Fuel Lubricity according to HFRR (ISO12156)
- Filter Blocking Tendency according to IP387)



Product Benefits

- Improves oxidation and thermal stability, allowing extended storage periods.
- Protects against the potential presence of Biodiesel derived Fatty Acid Methyl Ester (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, in-house and industrial tests – HFRR and Bosch.
- No harm tests showing no adverse effects to fuels, lubricants, and fully compatible with engine and system materials.



Precautionary Statement

Use only in approved manner. Do not contaminate drinking water. Dispose of empty container in accordance with local, state and federal rules. Do not re-use empty container. Avoid inhalation of fumes. When handling, use rubber gloves and face shield, wash after handling. Consult Innospec for questions and specific directions for use. Buyer assumes all risks of storage or handling of this material that are not in strict accordance with directions given. Consult the MSDS sheet for additional information. Store in a dry place away from food stuffs with the lid tightly closed. For commercial use only.

First Aid

HARMFUL IF SWALLOWED. CONTACT WITH SKIN OR EYES CAN CAUSE IRRITATION. KEEP OUT OF REACH OF CHILDREN!

SKIN: Flush with water and wash with soap and water. Remove contaminated clothing. Get medical attention if irritation continues.

EYES: Flush with cool water for at least 15 minutes and get medical attention immediately.

INHALATION: Remove affected person to fresh air. Get medical attention immediately.

INGESTION: Do not induce vomiting. Drink large amounts of water. Do not give an unconscious person anything to drink. Get medical attention immediately.

For further information about our products & services please contact your nearest Innospec Customer Service Centre:

North America

Marine Specialties
Customer Service Centre - USA
8375 South Willow Street
Littleton, Colorado 80124
USA
Tel: +1 303-792-5554
In USA & Canada: 800-873-8711
e-mail: csc.americas@innospecinc.com

Greece, Turkey

Marine Specialties
Customer Service Centre - Greece & Turkey
11, Il Merarchias Street,
Piraeus - 185 35
Greece
Tel: +30 210 411 0727 / 8
Fax: +30 210 411 0748
e-mail: csc-gt@innospecinc.com

Europe, Middle East, Africa

Marine Specialties
Customer Service Centre - EMEA
P.O. Box 53156
3301 Limassol
Cyprus
Tel: +357 25 762 535
Fax: +357 25 762 545
e-mail: csc-emea@innospecinc.com

Asia Pacific

Marine Specialties
Customer Service Centre - Asia Pacific
47 Scotts Road, #02-03 Goldbell Towers
Singapore 228233
Tel : +65 6336 6286
Fax : +65 6336 1692
e-mail: csc.AsiaPacific@innospecinc.com

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.