



# Marine Specialties

## Product Data Sheet

### Product Group 30 – Pre-combustion Additives

## Octamar™ HF-10 Plus

### Product Description

Octamar™ HF-10 Plus is an innovative additive containing a dispersant-stabiliser and antifoulant for Very Low Sulphur Fuel Oil (VLSFO) to:

**Improve** fuel stability and compatibility during blending, handling and storage,

**Disperse** existing sludge formation and prevent further agglomeration.

**Improve** combustion reducing unburned carbon deposits throughout the engine and exhaust gas system.

**Improve** fuel stability against oxidation and thermal stressing

**Reduce** fuel injector fouling

**Provide** excellent stability performance of up to 30% biofuel (FAME & HVO) blends

**Improve** significant stability and filter blocking tendency

### Physical Properties

Appearance.....	brown, reddish liquid
Density at 15°C.....	870 kg/m <sup>3</sup>
Viscosity at 25°C.....	12 mPa.s
Flash Point, PMCC.....	>144°F/61°C
Pour Point.....	<-35°C

### Dosage

For best results, Octamar™ HF-10 Plus should be dosed into storage tank prior to bunkering.

**Recommended dosage range for Residual Fuel:**

**1:10,000 (1 litre per 10 tonnes of fuel) to**

**1:15,000 (1 litre per 15 tonnes of fuel)**

**Recommended dosage range for up to B30**

**BioFuels:**

**1:4,000 (1 litre per 4 tonnes of fuel)**

Different dosage rates maybe recommended for emergency use and sludge reduction, fuel stability and injector fouling. Innospec personnel are available to assess your specific problems and advise a suitable product(s) and dosage program.

### Packaging and Storage

Octamar™ HF-10 Plus is supplied in non-returnable 25-litre pails. Store away from heat, sparks and open flame.

- ISO 9001 & 14001 certified by DNV
- EU Origin

### Product Benefits and typical Applications

- Prevents issues related to fuels commingling like separation, sludge formation and filter clogging.
- Improves stability and compatibility of different VLSFO blends, types, qualities and fuel origin.
- Improves oxidation and thermal stability for VLSFO containing up to 30% biofuels
- Maintains long term fuel stability and prevents fuel ageing.
- Reduces fuel injector fouling.
- ECA requirements - prevents incompatibility during fuel change-over.
- Continuous use – for sludge reduction – cleaner fuel handling system, engines and exhaust gas system.
- Improves combustion efficiency - cleaner engines and exhaust system.
- Protects against the potential presence of biodiesel derived Fatty Acid Methyl Ester (FAME), and possible corrosion caused by high TAN fuels.
- Reduces significantly risk of filter blocking related to potential FAME use or distillate ageing.
- Dispersion & centrifugal evaluation of marine additives under JSA standard verified by Class NK
- Reserve Stability Number (RSN) ASTM D7061-17 test verified by Class NK



- continued overleaf -



## 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 SDS 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:**

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