

NEW & IMPROVED!



100% CONCENTRATED HEAVY FUEL FOT

PRI-SOLV is the world's only *100% concentrated, 100% organic*, non-petroleum sludge dispersant for heavy marine fuels. **PRI-SOLV** remarkable capability to reduce fuel sludge precipitation from 35-to-50% keeps fuel delivery systems clean, contributing to optimum combustion characteristics

The unmatched capability of **PRI-SOLV** delivers four primary benefits to vessel operators:

- Recovered Lost Fuel Value via Sludge Reductions
- Greatly Reduced Disposal Costs
- Improved Operation Reliability & Lubrication
- Optimum Combustion Efficiency



***PRI-SOLV** prevents severe incompatibility problems which can disable purifiers and result in costly vessel delays.*

PRI-SOLV has also successfully reversed severe cases of fuel incompatibility/poor quality fuels, saving vessel owners hundreds of thousands of dollars in charter hire loss and de-bunkering costs.

SLUDGE FREE FUEL SYSTEMS

- **PRI-SOLV** keeps bunker tanks, fuel lines and pumps, and fuel heaters sludge-free, providing a more homogenous consistency to heavy fuel.

OPTIMUM FUEL COMBUSTION

- **PRI-SOLV** treated fuel ensures improved fuel atomization and reduced fuel injector fouling. Diesel engines maintain a higher level of operational efficiency. Combustion is optimized with emissions and soot reduced.

FUEL QUALITY ISSUES & COMINGLING

PRI-SOLV solves fuel problems. Fuel incompatibility, poor quality fuels, high TSP, purifiers completely shut down, comingling of various HFO/ULSFO blends, high asphaltenes, etc.

UNMATCHED VALUE

Dosing rate is at 1 liter per 30 mt. One 208-liter drum treats 6240 metric tons. No special dosing pump equipment is required. In terms of cost per mt treated and performance capability, **PRI-SOLV** has absolutely no equal in the world today!



Specifications	
Color & Appearance	Dark Amber Liquid
Boiling Point	>150 C.
Flash Point	>100 C.
Specific Gravity	0.78 – 0.81
Water Solubility	Soluble
USA DOT ID Number	NON REGULATED
IMDG	Not classified as dangerous under IMDG regulation
IATA	Not classified as dangerous under IATA regulations

Dosage Rate:

PRI-SOLV is dosed at the rate of 1:30,000 (one liter per 30 mt), regardless of fuel specifications under ISO 8217. The fixed dosage rate was developed in consideration of the fact that heavy fuel oil characteristics can be widely variable, and that quality standards, as proscribed under ISO 8217 do not completely account for all deficiencies associated with fuel performance.

When comingling different blends of HFO/ULSFO or problematic fuels, high TSP, etc. we recommend a dose rate of 1:20,000 (one liter per 20 mt). For severely out of spec fuel, fuel with very high TSP, or emergency situations on board, we recommend a dose rate of 1:10,000 (one liter per 10 mt).

Dosage Method:

Power Research Inc. suggests that **PRI-SOLV** is highly miscible with heavy fuel oil and may be added directly to tanks prior to bunkering. Agitation from fuel flow into the tank typically provides a sufficient mixture.

Quality control:

PRI-SOLV is manufactured in accordance with strict, chemical manufacturing standards. Each blend is numbered, and a retain sample is FTIR tested against a laboratory standard to ensure optimal conformance.

Miscibility:

PRI-SOLV is a highly complex blend of organic chemistries that, once blended with heavy fuel, will not stratify or separate, even with fuel purification. In fact, purification systems remain cleaner and more efficient when processing **PRI-SOLV** treated fuels.