



HEAVY FUEL OIL SLUDGE DISPERSANT

PRI-SOLV is an organic, non-petroleum sludge dispersant capable of reducing sludge precipitation from heavy marine fuels in a range of 35-to-90 percent.

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

- Recovered Lost Fuel Value
- Greatly Reduced Disposal Costs
- Improved Operation Reliability
- Optimum Operational Efficiency



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

PRI-SOLV is recommended for continuous treatment. **PRI-SOLV** can also be used as an “emergency” treatment when severe fuel incompatibility problems occur. **PRI-SOLV** has successfully reversed severe cases of fuel incompatibility, saving vessel owners hundreds of thousands of dollars in charter hire loss and de-bunkering costs.

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

PRI-SOLV also contributes to fuel pump lubrication, also providing a thin protective coating which guards against corrosion.

Dosing rate is at 1:20,000. One 208-liter drum treats 4,160 metric tons. No special dosing pump equipment is required.



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 1:20,000, 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.

For cases of very poor compatibility, a dose rate of 1:10,000 dosage rate is recommended.

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.