

Fuel Right Treatment Options

This note applies to all Fuel Right treatment products except Cold Flow and Thaw.

There are two basic methods of treating with Fuel Right products: "Shock" treating and "bulk" treating. "Shock" treating means using a high dose treatment at certain intervals - not with every fuel fill. "Bulk" treating means using a low dose rate but treating all of the fuel all of the time. Which method you use depends on how you operate your system and what benefits you are seeking from treatment.

For **removing and preventing sludge** and **protecting tanks against internal corrosion**, both methods work equally well. Shock treating with every fill will remove old sludge faster, but normal treatment frequency (see below) will probably give you the most "bang for the buck" and will, in the long run, clean up even the most heavily fouled system.

Where fuel **lubricity** is a desired benefit (e.g. ULSD systems), bulk treating is usually best because you want lubricity in every gallon of fuel.

For cold weather treatment against **gelling and waxing** using one of our winter products, bulk treatment is again a must, as every gallon of fuel needs the cold weather protection. For protection against **fuel line freeze-ups** (i.e. icing), any of the Fuel Right products will provide the needed anti-freeze protection, whether shock- or bulk treated.

Frequently agitated tanks, such as those that are filled every day or two - or moving equipment such as boats, trucks and locomotives, should not be shock treated if you suspect there is a sludge buildup in the tank. The reason is that the heavy Fuel Right dose will tend to "liquify" the sludge and might lead to sludge carryover with plugged filters. These types of systems are best treated by bulk treating the incoming (new) fuel only. System cleanup will take a little longer this way but operating problems will be averted in the process.

Dose Rates:

Fuel Right, 15K, and Marine are used at a dose rate of roughly 1:6400 for **shock** treating (6 oz. treats a 275-300 gal. tank, 24 oz. a 1000-1200 gal. tank, 64 oz. treats a 3000-3200 gal. tank, etc.) The same products, when used for **bulk** treating, are used at a ratio of 1:15,000 (6 oz. treats 700 gal. of fuel, 24 oz. treats 2800 gal. of fuel, 64 oz. treats 7500 gal. of fuel., etc.)

The winter products have dosing information on the labels, and are labeled only for **bulk** treatment for reasons listed above.

If you have questions about treatment, call us at (800) 642-1910.