

SURE-FLO IV

Description

SURE-FLO IV ULS is a multifunctional, heavy-duty diesel fuel additive for winter use, and is specifically formulated to provide exceptional winter performance in #2 diesel and biodiesel blends. It can be used in on-road, off-road, and marine vehicles. SURE-FLO contains a proprietary blend of cold flow improvers, wax nucleators, wax anti-settling agents, heavy wax modifiers, and glycol ether deicer for freeze-up protection.

Features and Benefits

- Wax modifiers (nucleators) to alter the size and shape of the wax crystals; inhibiting growth and resulting in finer wax crystals in the fuel, allowing for better flow through fuel filters.
- Deicer to reduce the freeze point of the free water in the fuel which results in less filter plugging or fuel line freeze-up. This component reduces the freeze point from 32°F to at least -20°F as long as the water content is less than 100 ppm.
- Wax anti-settling additives (WASA) to help keep the wax crystals dispersed more evenly in the fuel. When fuel molecules crystallize to form wax, they can often settle to the bottom of the storage container and plug filters when removed.
- Improves low-temperature operability in a wide range of fuels by lowering the cold filter plugging point (CFPP) and pour point without reducing the fuel's energy content.
- Designed to reduce and/or replace blending with #1 fuel oil. A good rule of thumb is that it can often replace the first 20%-30% of #1 fuel oil.
- SURE-FLO IV ULS qualifies for the USA EPA 40CFR80.591A certification meaning the product contains < 15 ppm sulfur.

Typical Properties

| | |
|---------------------------|---|
| Physical State | Liquid |
| Color | Clear/Yellow |
| Flash Point | >116.6°F (47°C) |
| Density | 0.8814 g/cm ³ [15°C (54°F)] |
| Solubility | Insoluble in water |
| Auto Ignition Temperature | > 471.2°F (244°C) |

Recommended Usage

1 Quart: Please see package label for recommended treat rate.
1 gallon per 1,250 gallons of #2 diesel or biodiesel blend.
In extreme cold weather, recommended 1 gallon per 625 gallons of #2 diesel or biodiesel blends.

Storage and Handling

- Add at a min. of 15°F above fuel's cloud point. Store above -30°F.
- Don't pour into an empty, cold tank. Premix the additive with an equal amount of fuel, or add to tank after some of the fuel has been added. Additive will be mixed while remainder of tank is filled
- Handle in a well-ventilated area while wearing the proper eye and skin protection. Refer to Material Safety Data Sheet for information.

Shelf Life

24 Months