

No. 1 Diesel Fuel

Description

No. 1 Diesel Fuel is commonly used as burner oil and sometimes as a fuel. One of the most common uses for No. 1 diesel fuel is to mix with #2 diesel fuel to improve its cold flow properties in extreme cold temperatures.

Features and Benefits

As has been mentioned, No. 1 fuel is not used very much by itself as a fuel. More commonly, No. 1 fuel is mixed in with No. 2 diesel to improve its cold flow properties. Cold flow additives can also accomplish this task. No. 1 Diesel has some different properties than No. 2 diesel, namely:

- Low cloud point to eliminate filter waxing
- Low pour point for low-temperature flow
- High cetane for easy starts in diesel engines

Typical Properties

Specific Gravity (water = 1)	0.75 – 0.84 @ 60°F (15.6°C)
Viscosity, cSt @ 40°C	1.3-2.4
Cloud Point, °F (August/March)	< -25
Pour Point, °F (August March)	< -22
Ultra-low sulfur, % sulfur	< 15 ppm
Lubricity, HFFR @ 60°C, microns	≤ 520
Cetane	40 minimum
Flash Point, °F	> 100
Physical State	Liquid
Color	Pale yellow or dyed red

Recommended Usage

No. 1 Diesel Fuel can be used as a burner fuel or diesel fuel in all applications requiring high cetane and excellent flow properties. No. 1 Diesel Fuel can be used as a diesel engine fuel in on-road or off-road applications.

Storage and Handling

Avoid personal contact with this material. Wear protective equipment. Do not breathe in vapors or mist. Store in tightly closed containers in a cool, dry, isolated, well-ventilated area away from heat and sources of ignition.

Shelf Life

24 Months