

Diesel 9•1•1®

Rescues diesel-engine operators from the most common fuel emergencies they encounter.

- Ultra Low Sulfur Diesel (ULSD) Compliant – contains less than 15 parts per million (ppm) sulfur
- Effective in all diesel fuels, including ULSD and biodiesel
- De-ices frozen fuel-filters – no requirement to change fuel-filters
- Prevents fuel-filter icing
- Reliquefies gelled fuel in minutes – no tow truck needed
- Removes water from fuel system – extends life of fuel-filters, fuel-injection pumps and fuel injectors
- Contains **Slickdiesel**® for maximum fuel lubrication – protects fuel injectors and pumps against accelerated wear from Low and Ultra Low Sulfur Diesel (ULSD) fuels



- Contains the type of non-harmful alcohols recommended by diesel engine manufacturers for removal of water in diesel fuel systems
- When used as directed, does not lower the flash point of No. 2 diesel fuel below the ASTM minimum standard

DIRECTIONS FOR USING DIESEL 9•1•1 – THE MOST EFFECTIVE DIESEL FUEL PROBLEM-SOLVER

To De-Ice Frozen Fuel-Filters

Water is dissolved in and carried by all diesel fuels. At temperatures below +32°F, water that has collected in fuel-filters freezes. This causes decreased fuel flow to the engine and results in reduced engine power or engine shutdown.

To de-ice frozen fuel-filters, check to insure that diesel fuel in the equipment fuel tanks is not gelled. If fuel is liquid:

1. Remove fuel-filters.
2. Empty remaining liquid from fuel-filters.
3. Fill fuel-filters with 50% Diesel 9•1•1 and 50% diesel fuel.
4. Reinstall fuel-filters.
5. Start engine.
6. If outside temperature is below +20°F, add Power Service Diesel Fuel Supplement® +Cetane Boost or Arctic Express® Diesel Fuel Antigel.

To Reliquefy Gelled Diesel Fuel

During cold weather operation, diesel fuel that has not been treated with Power Service Diesel Fuel Supplement +Cetane Boost or Arctic Express Diesel Fuel Antigel can change from a liquid to a solid. This transformation is called gelling.

To reliquefy gelled diesel fuel:

1. Add one gallon of Diesel 9•1•1 to each 100 gallons of fuel in equipment tanks.
2. Remove fuel-filters.
3. Fill fuel-filters with 50% Diesel 9•1•1 and 50% diesel fuel.
4. Reinstall fuel-filters.
5. Start engine – let idle for 5 minutes to heat fuel system before resuming normal operation.
6. Add Power Service Diesel Fuel Supplement +Cetane Boost or Arctic Express Diesel Fuel Antigel to prevent further gelling.

To Remove Water from Diesel Fuel Systems

Diesel fuel systems accumulate water during normal operations. The constant recirculation of diesel fuel for lubrication and cooling of fuel injectors causes thermal variations within fuel tanks and produces water in the form of condensation. Water can also be introduced into a fuel system from fuel suppliers that do not periodically check their fuel-handling equipment for water contamination.

To remove water from a diesel fuel system:

1. Drain or pump water from the bottom of fuel tanks until diesel fuel appears.
2. Add one gallon of Diesel 9•1•1 to each 200 gallons of diesel fuel.
3. Remove fuel-filters.
4. Fill fuel-filters with 50% Diesel 9•1•1 and 50% diesel fuel.
5. Reinstall fuel-filters.
6. Start engine.



TYPICAL PHYSICAL PROPERTIES OF DIESEL 9•1•1

Color	Amber
Density (lbs/gal)	.673
Sulfur Content	<15 parts per million (ppm)
Flash Point	75°F.
Pour Point	-90°F.
Shelf Life	Indefinitely In Sealed Container
Solubility	
In Diesel Fuel	Completely Soluble
In Biodiesel and Biodiesel Blends	Completely Soluble
In Kerosene	Completely Soluble
Shipping and Handling	
HM-181 Class	Flammable Liquid N.O.S. UN 1993 (Hydroxy Compounds)

Part #	Pack	Treats
8025-12	12/1 32-Ounce	30 to 75 Gallons
8041-04	4/1 96-Ounce	100 to 200 Gallons
8050-02	Two/2.5 Gallon	Up to 1,000 Gallons
8055	55-Gallon Drum	Up to 11,000 Gallons