

DIESEL 9•1•1®

TECHNICAL BULLETIN 8000



Diesel 9•1•1® is a winter emergency product used to reliquefy gelled fuel and de-ice frozen fuel-filters. This Winter Rescue Formula restores the flow of fuel to the engine. Use this product if your vehicle will not start or gain power.

Benefits

Reliquefies gelled fuel

De-ices frozen fuel-filters

Removes water

Prevents fuel-filter icing

Contains **Slickdiesel® Lubricator** to protect fuel pumps and injectors from increased wear caused by Ultra Low Sulfur Diesel (ULSD) fuel

Effective in all diesel fuels, including ULSD and biodiesel blends

DIRECTIONS FOR USING DIESEL 9•1•1— SOLVES WINTER FUEL EMERGENCIES

To Reliquefy Gelled Diesel Fuel

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

To reliquefy gelled diesel fuel:

1. Add 80 ounces of **Diesel 911** to each 100 gallons of fuel in equipment tanks.
2. Remove fuel-filters.
3. Fill fuel-filters with 50% **Diesel 911** and 50% diesel fuel.
4. Reinstall fuel-filters.
5. Start engine — let idle to warm up fuel system before resuming normal operation.
6. Add Power Service **Diesel Fuel Supplement +Cetane Boost** as directed to prevent further gelling.

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 ensure 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 911** and 50% diesel fuel.
4. Reinstall fuel-filters.
5. Start engine.
6. Add Power Service **Diesel Fuel Supplement +Cetane Boost** as directed to prevent fuel gelling.

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To Remove Water and Prevent Fuel-Filter Icing

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 who do not periodically check their fuel-handling equipment for water contamination.

To remove water and prevent fuel-filter icing:

Add 80 ounces of **Diesel 911** to 250 gallons of diesel fuel. For biodiesel blends, add 80 ounces to 125 gallons of diesel fuel.

TYPICAL PHYSICAL PROPERTIES OF DIESEL 9•1•1

Color	Straw Yellow
Density (lbs/gal)	6.73
Sulfur Content	<15 parts per million (ppm)
Flash Point	75°F.
Pour Point	-65°F.
Solubility	
In Diesel Fuel	Completely Soluble
In Biodiesel and Biodiesel Blends	Completely Soluble
In Kerosene	Completely Soluble
Shipping and Handling	
Part Nos. 8016, 8025, 8080	Consumer Commodity ORMD
Part Nos. 8050, 8055	Flammable Liquid N.O.S. UN 1993 (Aliphatic Hydroxy Hydrocarbons)

Diesel 911 is safe for use in all diesel engines.

This diesel fuel additive complies with the federal low sulfur content requirements for use in diesel motor vehicles and nonroad engines.

PART#	PACK	TREATS
8016-09	9/1 16-Ounce	Up to 40 Gallons
8025-12	12/1 32-Ounce	30 to 75 Gallons
8080-06	6/1 80-Ounce	100 to 200 Gallons
8050-02	Two/2.5-Gallon	Up to 500 Gallons
8055	55-Gallon Drum	Up to 11,000 Gallons

