

Technical Data Sheet



Omstar DX1 FUEL & OIL® Lubricant for Diesel, Gasoline and Biofuel Engines (formerly D-1280X)

Function:

Improves combustion; increases mileage; reduces harmful emissions (SO₂, NO_x, CO, Hydrocarbons/particulates); cleans engine and exhaust system; biodegradable.

Benefits:

- Increases fuel economy
- Improves Cetane by 4-5% (diesel). Improves combustion
- Some gasoline engines that use premium can use regular with DX1
- Gum solvent cleans injectors without decreasing engine lubricity
- Upper cylinder & valve lubricant through molecular chemisorption called "Iron soap"
- Adds lubricity to ULSD (Ultra Low sulfur Diesel) reducing wear of engine components - helps engines run cooler and more efficiently
- US Patent #4,920,691 shows 29.2% average exhaust smoke opacity (smoke) reduction after two months of additive use, 66.7% average reduction after nine months, and 89% reduction after one year (27 Los Angeles Airport (LAX) shuttle buses in 1,000,000 mile test).

Hazard Identification:

- **Principal Hazards:** Combustible liquid, prolonged or repeated skin contact may cause dermatitis, see section 11 on the MSDS for complete health hazard information.
- **Threshold Limits:** The PEL (OSHA) and the TLV (ACGIH) is 5 mg/m³ for oil mists.
- **Primary Routes of Exposure:** Non-Hazardous

First Aid Measures:

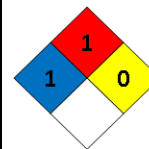
- **ORAL:** Do not induce vomiting. If conscious, give 2 glasses of water. Get medical attention.
- **EYES:** Flush with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
- **SKIN:** Wash immediately with soap and water. Remove soiled clothing. Get medical attention if irritation develops. Launder contaminated clothing.
- **INHALATION:** Remove exposed person to fresh air. If breathing is labored, administer oxygen and obtain immediate medical attention. If irritation persists or if toxic symptoms are observed, get medical attention.

PRODUCT

Omstar DX1 FUEL & OIL® (formerly D-1280X)

Safety Data Code
SDS No. 21027

NFPA



HMIS (I)	
Health	1
Flammability	1
Reactivity	0
Personal PE	0



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Properties and Compounds:

Appearance:	Yellow Oil Liquid	
Density 60° F	ASTM-D287	0.8324 g/cm ³
Boiling Point	ASTM-D93	> 230° F
Calorific power	ASTM-D240	38,438.24 kJ/kg
Cloud Point	ASTM-D2500	-5° C
Pour Point	ASTM-D97	-9° C
Sulfur (%P, S)	ASTM-D129	Less than 0.05
Humidity (%V)	ASTM-D95	Less than 0.01
Total Ashes (%P)	ASTM-D482	Less than 0.001 or 99.99% free of ashes

Metals Spectrograph:

Iron	0.60 ppm
Silicon	0.22 ppm
Magnesium	0.016 ppm
Copper	0.017 ppm
Nickel	0.044 ppm
Calcium	0.21 ppm
Aluminum	Tr < 0.01
Vanadium	0.069 ppm
Other Elements	Nil
Loss on Ignition (%P)	ASTM-D482 99.99976%

Lubricant Application:

- **FUEL:** 30ml of Omstar DX1 FUEL & OIL® for each 40 liters of fuel (or 1oz Omstar DX1 FUEL & OIL® : 10 gallons of fuel)
(This is a ratio of 1:1280, 1 oz of Omstar DX1 FUEL & OIL® : 1280 oz of Gasoline or Diesel).
- **Oil:** 30ml of Omstar DX1 FUEL & OIL® for every 1 liter (or 1 quart) of motor oil (mineral or synthetic).
Recommend adding Omstar DX1 FUEL & OIL® at every oil service.
- **First Application in fuel** (not oil): Recommend a shock treatment of 5 times the normal dose of Omstar DX1 FUEL & OIL® or 50ml Omstar DX1 FUEL & OIL® for each 40 liters of fuel (Gasoline or Diesel) with a dose of 1oz : 2 gallons or 5 oz : 10 gallons. This will produce "Iron Soap" more quickly, and clean injectors and the exhaust system more thoroughly.

Presentations:

- 55 Gallon drum
- 20 Liter container