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Product	Type
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Pure Lube	Lubricity Fuel Additive A concentrated diesel fuel lubricity additive designed for application in low and ultr-low sulfur fuels.
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Application

Add Pure Lube to diesel fuel to improve fuel lubricity in order to provide diesel fuel pumps and injectors with their intended durability.

Recommended for use at: 50—250 ppm m/m
 Depending on the fuel severity and the lubricity performance targets.

Physical Characteristics

	Minimum	Target	Maximum
POUR POINT, C,		-6	
SPECIFIC GRAVITY @ 15.6 C		.0898	
VISCOSITY @ 25 C, CST		32	

Chemical Characteristics

	Minimum % Weight	Typical	Maximum % Weight
PPM SULFUR		55	

Benefits

- Highly concentrated and effective lubricity component protects against premature wear in diesel fuel pumps and injectors.
 Mono-acidic chemistry.
- Excellent SLBOCLE (ASTM D 6078) and HFRR (ASTM D 6079) response.

Opti-Lube Pure Lube

Unloading, storage and blending instructions

General handling instructions– In general, Opti-Lube recommends, as a minimum, the use of neoprene or nitrile rubber gloves and safety glasses or chemical splash goggles. The Material Safety Data Sheet should be consulted for specific information and for information on health and safety when handling this product.

Fire and explosion hazard data

Flash Point (method)	Classification
200°C COC	N/A

Temperature Recommendations

UNLOADING	Plumping Temperature	Ambient°C	°F
	Maximum Temperature*	40°C	104°F

STORAGE

Maximum Temperature for Long-Term Storage	27°C	80°F
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BLEANDING

Maximum Base Oil Temperature for Mechanical or In-Line Mixing	40°C	104°F
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EQUIPMENT RECOMMENDATIONS

Type of Pump	No recommendation
Type of Transfer Line	No recommendation
Transfer Line Size	No recommendation

HEAT SOURCE

Type	N/A
Storage Tanks	N/A

Viscosity data	cSt	SUS
At 40°F	34	200
At 80°F	24	140
At 120°F	13	80

NOTES

POUR POINT -6°C, 22°F

Additional Recommendations

*Holding the material in excess of this temperature may cause chemical degradation. Use steam for heating and tracing only when the material is in motion to avoid localized overheating. Cold Temperature Storage - If product has been stored below its pour point temperature it should be heated to 21°C/70°F before using.