

PS-279-D

FOR ALL DIESEL APPLICATIONS



INTRODUCTION

- ❑ The most important process to ensure proper combustion is the perfect mixture of fuel and air in addition to many other variables
- ❑ Diesel fuel is a menagerie of hydrocarbon molecules that differ in size and shapes. Short molecules generally burn very quickly, causing temperature and pressure inside an engine to rise in a dramatic spike. That creates engine knock and emissions of nitrous oxide pollution. Meanwhile, longer hydrocarbons burn more slowly and incompletely, which raises exhaust temperature and leaves remnants of hydrocarbons to contribute to soot and other forms of pollution.

PS-279-D DIESEL FUEL CATALYST

- ❑ The most important process to ensure proper combustion is the perfect mixture of fuel and air in addition to many other variables
- ❑ Diesel fuel's physical behaviour impedes optimal air/fuel mixture, while our catalyst modify the fuel's physical properties without interfering with the fuel's chemistry



Important Note: The product contains no insidious components and is related to diesel fuel's chemistry which eliminates any risk on overdosing.

Complies to: SABS 342-2006

EPA - Reg. per 40 CFR 79.23

NAFDAC - Listed

DIESEL PARTICULATE MATTERS

- In recent years, emission of diesel particulate matter (PM or DPM) has become one of the major health concerns amongst all diesel emissions.



PHYSICAL PROPERTIES

Form.....	Liquid
Odour.....	Slightly prickly
Colour.....	Pale Yellow
Boiling Point.....	Ca. 194oC
Flash Point (PMCC).....	>76°C
Autoignition Temp. (ASTM E 659)	220°C
Density (g/cm ³)(20°C)	0.957
Melting Point	-58°C

Treatment Level

0,1%(1000ppm)
1 litre treats 1000litres of
diesel fuel

CHARACTERISTICS

- ❑ Improves cold starting
- ❑ Increases Cetane levels
- ❑ Reduces ignition delay
- ❑ More complete combustion
- ❑ Reduces black smoke & toxic gasses
- ❑ Reduces soot levels in engine oil
- ❑ Increases thermal efficiency
- ❑ Improves fuel economy
- ❑ Supports lubrication properties
- ❑ Thermal and oxidative stable
- ❑ Metal free
- ❑ Reduces mechanical maintenance costs
- ❑ High Flashpoint
- ❑ Low dosage rate – 0.1% (overdosing not problematic)
- ❑ Essential for all Diesel applications



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