

COMPLETE ENGINE CLEANER : GASOLINE

Aftermarket Multifunctional Gasoline Additive



Product Sheet

TOTAL



Use

COMPLETE ENGINE CLEANER GASOLINE is a multipurpose additive for gasoline fuel, specially designed to restore and maximize gasoline engine performance and reduce fuel consumption.

COMPLETE ENGINE CLEANER GASOLINE is designed for aftermarket use and is an excellent choice for preventive maintenance and as precaution against fuel related problems.

Benefits

COMPLETE ENGINE CLEANER GASOLINE is a top-tier performance multifunctional gasoline additive. It has been specially designed to provide the additised gasoline with improved detergency and anticorrosion protection while providing fuel economy. Demulsifying (water separation) properties are not affected.

COMPLETE ENGINE CLEANER GASOLINE offers the following benefits, proven in laboratories and confirmed by numerous engine tests :

- Significantly reduces the intake valves and pipes deposits at the lowest level amongst the industry standards. Restores and maximizes engine performance.
- Provides fuel economy (from 1 up to 4 % depending on treat rate, vehicles, driving conditions and gasoline specifications).
- Keeps the entire fuel inlet system (carburetor/injectors, intake valves, intake manifolds...) clean.
- Improves vehicle drivability and reduces maintenance costs.
- Prevents valve sticking phenomenon at low temperatures.
- Protects fuel systems against corrosion and rust formation.
- Reduces pollutant emissions like carbon monoxide, unburnt hydrocarbon and nitrogen oxide.

COMPLETE ENGINE CLEANER GASOLINE does not affect other gasoline properties (antiknock qualities, oxidation stability and water separation). **COMPLETE ENGINE CLEANER GASOLINE** is ashless and halogen free and does not contain any metal.

COMPLETE ENGINE CLEANER GASOLINE is ethanol ready and suitable to treat gasolines with up to 20 % ethanol.

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Characteristics

Characteristics	Units	Method used	Typical values
Density at 15°C	kg/m ³	NF EN ISO 12185	830 - 860
Flash Point Pensky Martens	°C	NF EN 22719 ASTM D 93	> 60
Viscosity à 40°C	mm ² /s	NF EN ISO 3104	< 6
Pour Point	°C	NF – T – 60105	< -30°C

Treatment ratios

One bottle (250 mL) treats 50 L of gasoline.
For maximum effectiveness, use one full bottle (250mL) at each tank filling.

Storage and Handling

Storage

Technical measures: Prevent any build-up of static electricity.

Storage precautions : **COMPLETE ENGINE CLEANER GASOLINE** may be stored and handled at temperatures as low as - 25°C. Carbon steel, stainless steel, polyethyleneterephtalate (PET), polypropylene or polytetrafluorethylene (Teflon®) coatings may be used in the construction of storage capacities and injection systems. The use of rubber (either natural or synthetic) and of polystyrene is to be avoided.

COMPLETE ENGINE CLEANER GASOLINE quality is not affected during storage up to 18 months if **COMPLETE ENGINE CLEANER GASOLINE** is subject to normal handling procedures.

Handling

COMPLETE ENGINE CLEANER GASOLINE causes no special hazards for personnel, but as with all petroleum fuels and additives in general, skin and eye contact and inhalation of vapors are to be avoided. Suitable protective equipment should be worn when handling the product. For detailed handling precautions and toxicity data see the corresponding security data sheet.

COMPLETE ENGINE CLEANER GASOLINE may be delivered in bulk, IBC or drums.