

TECHNICAL DATA SHEET (TDS)

Boron-Enhanced Gasoline Injector Cleaner & System Protector

1. Product Description

Kross Boron-Enhanced Gasoline Injector Cleaner is a premium fuel additive formulated using advanced Boron Nanotechnology to provide maximum cleaning and protection within the fuel systems of gasoline engines. Unlike conventional cleaners, the nano-sized boron compounds in the formula create a microscopic anti-wear film on the fuel pump, injector needles, and upper cylinder area, minimizing friction.

It rapidly dissolves carbon, soot, and varnish deposits in the injectors, ensuring optimum fuel atomization (spray pattern) and restoring engine performance to its original level.

2. Key Features and Benefits

- **Boron-Enhanced Extra Lubrication:** Unlike conventional solvent-based cleaners with a drying effect, boron crystals lubricate moving parts in the fuel system and help prevent wear.
- **Deep Cleaning:** Removes stubborn carbon deposits accumulated in the sensitive micro-openings of injector nozzles.
- **Engine Performance:** Helps eliminate idle fluctuations, misfiring, and knocking while improving throttle response.
- **Fuel Economy:** Restores the ideal air-fuel mixture and reduces fuel consumption by 5% to 8%.
- **Corrosion and Rust Protection:** Helps prevent corrosion caused by water and moisture accumulated in the fuel tank.
- **Reduced Emissions:** Promotes complete combustion and reduces harmful carbon monoxide (CO) and hydrocarbon (HC) emissions released through the exhaust.

3. Typical Physical and Chemical Properties

Appearance	Clear / Slightly Greenish Liquid (Boron Dispersion)
Density (@ 15°C)	0.790 - 0.830 g/cm ³ (ASTM D4052)
Flash Point	> 65°C (ASTM D93)
Kinematic Viscosity (@ 40°C)	1.8 - 2.8 mm ² /s (ASTM D445)
Solubility (in Gasoline)	Completely Soluble
pH Value	Not Applicable (Neutral Organic Solvent)

* The values stated above are typical values and may show minor variations depending on the production batch. They do not constitute binding product specifications.

4. Applications and Dosage

- Application: Suitable for all naturally aspirated, turbocharged (TSI, TFSI, GDI), hybrid, and multi-point injection 4-stroke gasoline engines. It is 100% compatible with catalytic converters and Lambda (oxygen) sensors.
- Dosage: One bottle (300 ml) is sufficient for a gasoline fuel tank with a capacity of 40 to 60 liters.
- Recommended Usage Interval: For continuous protection and maximum efficiency, use every 3,000 - 5,000 km or at every engine oil service interval.

5. Directions for Use

1. Gently shake the bottle before application to ensure that the boron particles are completely homogenized.
2. Immediately before refueling, preferably when the fuel tank is nearly empty, pour the entire contents of the bottle into the fuel tank.
3. Refill the tank with fuel, preferably to full capacity, to ensure optimum mixing of the additive within the fuel tank.

Important Safety Warnings:

Keep out of reach of children. Keep away from heat, sparks, and open flames. When stored in its original packaging in a cool and dry place (5°C - 35°C), the product has a 3-year shelf life. For detailed occupational health, safety, and environmental disposal information, please refer to the product's Material Safety Data Sheet (MSDS).

The information contained in this technical document is based on our current laboratory tests and experience.
The manufacturer cannot be held responsible for any consequences resulting from improper use of the product.
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