



Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

5 Tarlington Place Smithfield NSW 2164

Correspondence: P.O Box 322 Castle Hill NSW 1765

Ph: 1300 796 009 | Fax: (02) 9604 1611 | Email: hitecoils@hi-tecoils.com.au

[www.hi-tecoils.com.au](http://www.hi-tecoils.com.au)

## PRODUCT DATA SHEET

### HI OCTANE BOOST & CLEAN

#### PRODUCT DESCRIPTION

**Hi Octane Boost & Clean** is a fuel additive designed to increase the octane rating of petrol, and to clean fuel injectors and combustion chambers in petrol engine vehicles. It is formulated to eliminate detonation, and absorb excess heat and pressure generated when an engine is subjected to heavy workloads. The additive regulates combustion in the engine chamber, helping to restore engine efficiency, improve fuel efficiency and provide smooth and harmonious functioning of the engine components.

The **Hi Octane Boost & Clean** is intended to increase fuel's octane number so to resist detonation and prevent knocking. It is formulated to increase the octane number by up to 2.5 units when used at a ratio of 300mL per 60 litres of petrol. It contains light fuel fractions, making it suitable for use in all unleaded petrol applications.

**Hi Octane Boost & Clean** is compatible with all unleaded petrol based fuels and is ideal for all types of passenger cars, 4WD, light commercial vehicles, motorcycles, marine and stationary engines.

#### BACKGROUND

Every engine has a minimum octane number requirement that is determined by engine design and the engine's compression ratio. If the petrol used does not have a sufficiently high octane number to cater for the engine's design and workload, then detonation occurs.

Detonation is an erratic form of combustion in the engine cylinder occurring outside the flame front as the fuel/air mixture is subjected to intense pressure and heat in an uncontrolled manner. This uncontrolled combustion sends damaging shock waves through the engine's combustion chamber. If the detonations continue to occur, the shock waves can damage the engine as they spike cylinder pressure and increase heat beyond the engine's design capacity. They may cause even more fuel to detonate, gaskets to fail and metal engine components to melt or break.

These detonations can be heard as "knocks" or "pings" and can ultimately lead to engine failure. This "knocking" often happens when the engine is being subjected to heavy loading e.g. towing, acceleration.

#### DIRECTIONS FOR USE

One 300mL container of **Hi Octane Boost & Clean** is designed to treat 60 litres of fuel. Add the entire contents of the container to the fuel tank, preferably before filling. This causes turbulence and ensures complete mixing of the additive. Repeat dosage at the next fuel filling if knocking persists. Vehicles of different ages, design and condition vary appreciably in the manner in which they respond to fuel treatments. Doubling the treat rate will provide a quicker cleaning result for very fouled engines or dirty fuel tanks.

Treatment of fuel with **Hi Octane Boost & Clean** every three months will ensure continuity in improved engine performance and fuel efficiency.



AUSTRALIAN FAMILY OWNED SINCE 1989





**Hi-Tec Oil Traders Pty Ltd** ABN 28 053 837 362

5 Tarlington Place Smithfield NSW 2164

Correspondence: P.O Box 322 Castle Hill NSW 1765

**Ph:** 1300 796 009 | **Fax:** (02) 9604 1611 | **Email:** hitecoils@hi-tecoils.com.au

[www.hi-tecoils.com.au](http://www.hi-tecoils.com.au)

## PRODUCT DATA SHEET

**Available in:** Bulk and 300 mL

"Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at [www.hi-tecoils.com.au](http://www.hi-tecoils.com.au). Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at [www.hi-tecoils.com.au](http://www.hi-tecoils.com.au)"

**Item code:** HI8-3314 (bulk)  
HI14-OBC-300

**Effective:** March 2020

MR023040/1



AUSTRALIAN FAMILY OWNED SINCE 1989

