

# TANK GUARD

Code 8265

## PETROL (GASOLINE) STORAGE TANK TREATMENT

### DESCRIPTION

TankGuard is a liquid petrol soluble additive designed for the protection of underground petrol storage tanks and for the purification of the petrol/gasoline.

### PROPERTIES\*

- \* Fast separation and demulsification of moisture and water to bottom of tank.
- \* Dispersion & separation of contaminants & conglomerate particles of hydrocarbons.
- \* Enhances corrosion protection to mild steel storage tanks by lining the steel surface with a protective molecular film.
- \* Biocidal action to kill and prevent regrowth of bacteria; algae and fungi which can grow in petrol where moisture is present and thus reduce filter blockages and corrosion to tank walls.
- \* Reduces oxidation of petrol, resulting in less sludge and varnish type deposits on tank walls, delivery pipes, filters and pumps.

### PHYSICAL PROPERTIES

Appearance : clear amber liquid.  
Density : 0.82 gms/litre  
Flashpoint : >61°C (PMCC)

### DOSAGE RATE

Add 1 litre TankGuard to 2,000 litres of petrol.  
Add the TankGuard prior to topping up with petrol.

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REGISTERED  
LABORATORY

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## **BACKGROUND INFORMATION**

The quality and purity of petrol depends on the source of the crude oil and on the method by which the petrol is obtained from the crude oil. A variety of crudes are now used in Australia and the quality of the gasoline grades varies. The particles in the different petrol grades varies in size and composition and can be very unstable, especially if different loads of petrol are from different origins of crude oil. Different components tend to polymerise in different ways in the presence of air, moisture in the fuel, temperature and the presence of metal (i.e. storage tanks.)

With time, the petrol molecules change in structure and can cause small amounts of tars, varnishes and corrosive acids, which together, form sludges and corrosion.

Water in gasoline can already contain or become contaminated with bacteria, algae and fungi which can also cause severe corrosion and cause fuel filter blockages.

When fuels from different crudes are mixed these reactions can be greatly accelerated.

All of the above problems can be greatly minimised or eliminated by treating the petrol with TankGuard. The TankGuard gives to the petrol and to the storage and delivery system a protection against corrosion, oxidation and organisms.

The TankGuard gives several protective properties to the fuel storage system: stabilisation, wetting, biocidal, water separation, dispersion & corrosion resistance. The TankGuard also imparts mild lubricant qualities and eliminates excessive wear on pumps, thus reducing maintenance.

## **QUALIFICATIONS**

TankGuard is manufactured by an Australian Company long established in the research and development of Corrective Treatments for bunker fuels & diesel fuels in Australia & Asia. The Company is ISO9002 & N.A.T.A. accredited and has been in the business for 30 years, working together with Oil Companies, Industry & Marine. Research data is gathered from the U.K., France, Russia and the USA.

## **PACK SIZE**

Available in 20 litre and 200 litre steel drums.

## **SAFETY PRECAUTIONS**

TankGuard is hydrocarbon based and is combustible. Store in a cool place out of direct sunlight. If swallowed do not induce vomiting. Give a glass of water to drink.

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