

## Cyrus Energy fuel treatments – suitable for all fuels – especially in marine applications

### CYRUS MARINE

#### **fuel conditioning treatment**

inhibits growth of microbial contamination **'the diesel bug'**  
(contaminated fuel should first be treated with ERADICATE fuel biocide - see below)

#### **injector cleaner and water remover**

acts as a powerful injector and fuel systems cleaner, removing gums and varnish that form on injector tips.

- Improves spray pattern, giving a cleaner, hotter burn
- Reduces smoking and airborne emissions
- Reduces fuel consumption and improves power output
- Non hazardous: does not contain any abrasive or aggressive chemicals
- Extends component life, reducing maintenance costs
- Suitable for use in all marine applications -  
- workboats, fishing fleets, ferries, dredgers, leisure and deep sea shipping
- Treat rate of 1 part CYRUS MARINE to 2000 parts of fuel offers a minimal treat cost
- easy to use – add directly to fuel

<b>CYRUS MARINE fuel conditioner</b>	VOLUME	TREAT UP TO	PRICE INC VAT* *delivery charged extra
	500ml	1,000 litres	£10.46
	5 litres	10,000 litres	£67.56
	205 litres	410,000 litres	£293.75

### ERADICATE

#### **fuel biocide**

destroys the microbiological contamination – commonly known as **'the diesel bug'** – found in fuel oil, fuel storage tanks, bilges and fuel distribution systems. A highly effective formulation.

Fuel or oil hydrocarbons, unless adequately protected, are prone to deterioration, leading to off-odours, viscosity and rheological changes, surface growth and sludge deposits. This adversely affects the in-use performance of fuels and oils and also leads to blockages of filters, pump lines and carburettors.

**ERADICATE** fuel biocide destroys **'the diesel bug'** when applied as a **shock dose treatment** to contaminated fuel.

To pre-empt any potential problems, ERADICATE can be added to fuel on a **preventive basis**. Each time new diesel oil is put into your tank, add ERADICATE for prolonged protection.

Application rates vary according to the severity of contamination but as a guide:

<b>ERADICATE fuel biocide</b>	VOLUME	TREAT UP TO	PRICE INC VAT* *delivery charged extra
	500ml	1,000 litres	£29.38
	5 litres	10,000 litres	£252.63
	205 litres	410,000 litres	call for quote

for optimum results add ERADICATE to a small amount of diesel in your fuel tank and then top up the tank fully with diesel fuel

## **why use CYRUS MARINE and ERADICATE?**

### **how water contamination affects fuel and fuel storage tanks**

As a result of natural condensation, water can always be found at the base of fuel storage tanks.

It's particularly prevalent in warmer climates and cooler climates in summer as warm conditions provide the perfect breeding ground for microbial growth '**the diesel bug**', which may be found in all types of fuel oils.

- Bacteria in fuel tanks occur where fuel and water interface and if left unchecked, grow until the entire contents of the tank are affected.
- In time, the bacteria release a by-product closely related to hydrochloric acid, with the capacity to corrode steel and puncture holes within the fuel tanks, causing leakage and water ingress.
- Subsequently, microbial contamination in fuel '**the diesel bug**' adversely affects engine performance; a brownish-black sludge clogs-up fuel filters, causing fuel starvation and engine stoppage.
- Droplets of water carried in fuel passing through injectors and nozzles cause excessive wear and "pitting", reducing the injector's ability to provide an even spray pattern.
- The result of this damage is an increase in smoking and fuel consumption.

CYRUS MARINE fuel conditioner is a technically advanced product formulated to

- stabilise petrol and diesel fuel
- slow the oxidation of fuel, break down sludge and asphaltics, and prevent degradation of fuel, especially in long term storage, from growth of fungi and bacteria
- disperse water contamination, allowing water to burn as part of the fuel
- non-abrasive cleaner of injectors, nozzles and fuel delivery system
- improve fuel atomisation and enhance combustion
- significantly reduce sulphur emissions

ERADICATE fuel biocide is formulated to

- destroy microbial manifestation - '**the diesel bug**'

for all types of engines, boilers or power generation units running on fuel oil, used correctly, these products are designed specifically to

- meet the demands of today's engine requirements, whilst also enhancing the performance of older engines
- help counteract the effects of poor quality fuel
- increase performance and improve power output
- reduce maintenance costs and extend component life
- reduce smoking and environmental impact, and lower emissions output
- lead to better fuel efficiency, with 3 – 5% reduction in fuel consumption

In the last few years, fuel prices have doubled and fuel is now the most expensive factor of the operational costs within the marine and other industries.

CYRUS MARINE fuel conditioner and ERADICATE fuel biocide used individually or in combination as required, offer an easy and economical solution to ensuring clean and efficiently operating engines at minimal cost.

for full details and to order CYRUS MARINE and ERADICATE contact agent

**Adrian A Lauder**

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**www.fuel-treatment.co.uk**

vat reg no 653 0377 46

**Adrian A Lauder**  
**CYRUS MARINE and ERADICATE fuel treatment - order form**

*order from*

*delivery address*

*post code*

*tel / fax*

*mobile*

*email*

<i>quantity</i>	<i>description</i>	<i>unit size</i>	<i>unit price ex. VAT</i>	<i>unit price inc. VAT</i>	<i>total inc. VAT £</i>
	<b>CYRUS MARINE</b>	500ml	£8.90	<b>£10.46</b>	
	<b>CYRUS MARINE</b>	5 litres	£57.50	<b>£67.56</b>	
	<b>CYRUS MARINE</b>	25 litres	£250.00	<b>£293.75</b>	
	<b>ERADICATE</b>	500ml	£25.00	<b>£29.38</b>	
	<b>ERADICATE</b>	5 litres	£215.00	<b>£252.63</b>	

<i>UK delivery charges - no charge if collected delivery includes insurance</i>		
<i>order description</i>	<i>delivery inc. VAT</i>	
500ml unit	<b>£4</b>	
2 x 500ml units	<b>£6</b>	
3 - 4 x 500ml units	<b>£10</b>	
5 litre unit	<b>£10</b>	
1 x 5 litre unit + 1 x 500ml unit	<b>£11</b>	
1 x 5 litre unit + 2 x 500ml units	<b>£13</b>	
1 x 5 litre unit + 3-4 x 500ml units	<b>£15</b>	
2 x 5 litre units	<b>£13</b>	
2 x 5 litres units + up to 4 x 500ml units	<b>£15</b>	
25 litre unit	<b>£36</b>	
<b>order total</b>		

e&oe

Goods despatched on receipt of cheque

Send cheque made out to 'Mr A Lauder' at address below with completed order form to:

**Adrian A Lauder**  
**3 Kiel Croft, Benderloch, By Oban, Argyll, PA37 1QS**  
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