

# D-Bug

## MARINE DIESEL FUEL ADDITIVE

**Diesel 'Bug' Killer & Fuel Treatment which contains Morendo and Grotmar 71**



### BENEFITS

- Improved starting for all diesel engines, reduced smoke, noise and emissions.
- Improved lubricity in low sulphur and ultra-low sulphur fuels.
- Reduces power loss and minimises fuel wastage caused by injector fouling.
- Injectors are maintained at peak performance over longer periods.
- Insoluble gums and other semi-solid compounds found in some fuels are dissolved and dispersed without any detrimental effects on pumps and nozzles.
- Retards any tendency of the fuel to oxidise in storage and form harmful sludges. It also prevents corrosion and rust in storage tanks and pipelines, reducing the possibility of filter blocking.
- Use of this product promotes the separation of water from fuel so that the fuel is water free and its full calorific value is obtained.
- Reduces fuel foaming for quicker transfer operations.
- Soluble in both Diesel fuel and water for total kill.
- Broad spectrum effect against bacteria (including Sulphate reducing), yeasts and fungi.
- Contains no corrosive combustion products.
- Suitable for de-fouling heavily contaminated storage tanks.

### PRODUCT SIZES

- 500 ml
- 5 litre

### INSTRUCTIONS FOR USE

Use one part of D-Bug to 400 parts fuel for normal operations.

If necessary, it can be used at stronger concentrations up to 200 to 1 where an initial clean-up is required.

For bulk tanks the recommended quantity should be added, where possible, prior to delivery of fuel to aid mixing.

Recommended for wherever distillate fuel is stored. Particularly recommended for all exposed sites with a slow turnover and in all cases where long-term storage is planned.

### DESCRIPTION

D-Bug is a multifunctional diesel fuel additive that contains Grotmar 71, this is used as a preventative treatment in diesel fuels but can also decontaminate infected fuel.

D-Bug will improve ignition quality, combustion and storage of distillate fuels. It is designed to be added to distillate burner fuels in bulk storage tanks, or to the fuel tanks of diesel -engine vehicles and marine craft.

## HEALTH & SAFETY

Hazard pictograms (CLP):



Hazard statements (CLP):

H304 – May be fatal if swallowed and enters airways.  
H315 – Causes skin irritation.  
H319 – Causes serious eye damage.  
H372 – Causes damage to organs (central nervous system) through prolonged or repeated exposure.  
H411 – Toxic to aquatic life with long lasting effects.

## PHYSICAL PROPERTIES

**Colour:** Brown.

**Appearance:** Brown liquid.

**Odour:** Characteristic.

**Solubility:** No data available

**Boiling point:** >320°C

**Flash point:** ~74°C

**Flammability:** This product is not easily ignited.

**Density:** No data available

**pH:** N/A.

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## HEALTH & SAFETY (cont.)

Precautionary statements (CLP):

P260 – Do not breathe mist, spray, vapours.  
P264 – Wash hands thoroughly after handling.  
P270 – Do not eat, drink or smoke when using this product.  
P273 – Avoid release to environment.  
P280 – Wear eye protection, protective gloves.  
P301+P310 – IF SWALLOWED: Immediately call a doctor, POISON CENTRE.  
P302+P352 – IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P314 – Get medical attention/advice if you feel unwell.  
P321 – Specific treatment (see supplemental first aid instructions on label).  
P331 – Do NOT induce vomiting.  
P332+P313 – If skin irritation occurs: Get medical advice/attention.  
P337+P313 – If eye irritation persists: Get medical advice/attention.  
P362+P364 – Take off contaminated clothing and wash before reuse.  
P391 – Collect spillage.  
P405 – Store locked up.  
P501 – Dispose of the contents/container to hazardous or specialist waste collection point in accordance with local, regional, national and/or international regulation.

**EUH210 – Safety Data Sheet available on request.**

