

ALGEX 45-90

DIESEL FUEL BIOCIDES/PRESERVATIVE

HALTS DIESEL FUEL BIOLOGICAL GROWTH

GENERAL DESCRIPTION

Algex 45-90 is an industrial strength treatment for the preservation of diesel and petrol fuel, home heating oil and kerosene. Algex 45-90 destroys existing algal and bacterial growths in fuel and prevents re-growth.

BENEFITS

- Prevents growths from blocking fuel filters and fuel lines.
- Prevents bacteria from causing corrosion in fuel tanks.
- Carries through in the fuel to treat all systems downstream.
- Preserves the fuel for long term storage.

RECOMMENDED TREATMENT USE

- To clean fouled systems. Add 400mls Algex 45-90 per 1,000 litres of fuel (1 litre Algex per 2,500 litres of fuel).
- To preserve fuel. Add 100mls Algex 45-90 per 1,000litres of fuel (1 litre Algex per 10,000 litres of fuel).

For maximum effect; first remove any water moisture from the fuel tank by either pumping the bottom of the tank or in the case of equipment; draining the bottom of the fuel tank.

Add Algex 45-90 using the recommended treatment rate just prior to filling the tank with fuel, or re-circulate the system for several hours to ensure thorough blending of the fuel and Algex 45-90.

Allow to stand for 24 hours if possible. Remove any dead growth from the bottom of the fuel tank to eliminate further filter blockage.

Water bottoms treated with Algex 45-90 should not be dumped to natural water ways and some sewer systems may require the water to be deactivated before disposal. Deactivate the water by adding 5mls of a 10% sodium bisulphate solution per litre of water.

TESTING FOR FUEL ALGAE GROWTH

Add 150mls of suspect fuel to a clean empty glass bottle (pint milk bottle for example) and then add 150mls of water. Check the fuel for coloration and particle growth. Any algal growth will be present at the inter-phase between the water and the fuel. Allow the fuel and water to sit for a period of five days. If growth multiplies rapidly, the fuel will darken and particles of growth will become apparent in both the fuel and water. Mature growth usually resembles pieces of black rubber.

Inspect fuel filters at maintenance change intervals. Pull the fuel filter apart and inspect for evidence of algal growth. If infected was several times with diesel fuel.

SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS

Good mechanical ventilation is recommended. Product odour should not be detectable in the general working area.

PERSONAL PROTECTIVE EQUIPMENT

Full face mask, long rubber gloves, overalls and rubber apron or preferable impervious splash suit and rubber boots. Self contained breathing apparatus should be worn in confined areas. Decontaminate clothing and equipment with a solution of 11% Sodium Bisulphite allowing 20 minutes contact time and a ration of 4:1 to decontaminate the product.

RECOMMENDED HYGIENE PRACTICE

Avoid breathing vapor and skin and eye contact.

POSSIBLE EFFECTS OF EXPOSURE & FIRST AID TREATMENT

Product in eyes: Severe pain and redness Chemical burns may result.

Flush eyes with running water for 15 minutes, lifting upper and lower lids occasionally. Seek URGENT medical attention.

Product on skin: Causes skin burns. There effects may be delayed for hours. Can cause allergic contact dermatitis. Harmful if absorbed through skin (*).

Thoroughly wash exposed area with cold running water until all traces of product are removed (at least 10 minutes). Contaminated clothing should be removed immediately. Decontaminate as stated above and laundered before re-use. Seek medical attention, particularly where burns/irritation result.

Product inhaled: Irritation of nose and throat.

Remove from exposure, keep rested and warm. Seek URGENT medical attention, particularly where unconsciousness has resulted. Administer artificial respiration if necessary. Investigate likely misuse of product.

Product ingested: Severe internal upset (e.g. nausea, stomach pains etc) with possible toxic effects.

Wash mouth thoroughly with water, ensuring mouth wash is not swallowed. If conscious, give plenty of milk or water. Do not induce vomiting (NEVER GIVE AN UNCONSCIOUS PERSON ANYTHING TO DRINK). Seek urgent medical attention

Notes to Physician: *May be fatal in large quantities.

Measures against circulatory shock, respiratory depression and convulsions may be needed. Mucosal damage may contradict the use of gastric lavage

Spillage: Avoid breathing vapor and contact with skin and eyes. Clear area of unprotected personnel. Wear appropriate protective clothing and self contained breathing apparatus. Isolate leaking containers and stop leak if safe to do so. Where practical transfer spilt material to suitable containers. Flood with 11% solution of Sodium Metabisulphite or Sodium Bisulphite. Allow 20 minutes contact time. Minimum recommended ratio of decontaminant to product is 4:1. flush to sewer with copious quantities of water.



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