

# TECHNICAL DATA REPORT

HS 5950

## MAGOLY

### Magnesium Containing Additive for Residual Fuel Oils

**DESCRIPTION:**

MAGOLY is highly concentrated fireside treatment for No. 6 or Bunker C oils, containing a high concentration of oil-soluble magnesium compounds, dispersants and combustion catalysts.

**PURPOSE:**

MAGOLY is designed to promote fuel economy by dispersing residual oil insolubles which form sludge and by assisting the complete combustion of all carbonaceous matter. The oil-soluble magnesium compounds prevent the formation of low melting corrosive slags which develop when oil contains a high proportion of Vanadium, Sodium and Sulphur, or combinations of these elements.

**HOW TO USE:**

Normal dosages of MAGOLY treatment range from 250 to 1000 ml per 1000 litres of #6 fuel oil. Where severe fouling is present, a higher dosage may be required. For distillate oils, 250 to 500 ml per 1000 Litres may be used depending on fuel and combustion chamber conditions. Increasing the concentration of these products will improve combustion efficiency proportionally.

MAGOLY is completely oil soluble and should be added to the storage tank with each fill-up. This procedure ensures mixing of the additive with the fuel oil.

**MAIN USERS:**

Wherever Bunker C or Fuel Oil # 6 is used, such as utility boilers, mining industry, refineries, pulp and paper industries, etc.

**ADVANTAGES:**

- 1) Prevents formation of low-melting point vanadium compounds that acts as flux to dissolve the protective magnetite, exposing the underlying metal to rapid oxidation.
- 2) Improved combustion through fuel combustion catalysts.
- 3) Prevents cold end corrosion by preventing sulphur trioxide from forming.
- 4) Improves fuel economy by dispersing all combustible materials.
- 5) Prevents corrosion in the fuel storage tanks by dissolving the water present in the oil, or condensed in the tank.
- 6) Reduces particulate emissions by reducing the excess air and optimizing the fuel-air ratio.

**PRECAUTIONS:**

Avoid contact with eyes, contains mildly alkaline compounds and aliphatic solvents. In case of contact with eyes, flush for 15 minutes with water and get medical attention. Can cause skin irritation, wear rubber gloves when handling undiluted material. Keep out of reach of children. Read Material Safety Data Sheet.

**SPECIFICATIONS:**

Appearance . . . . .	Brown, opaque liquid
Density . . . . .	0.94
Flash point (C.O.C.) . . . . .	61°C