ZHENGZHOU CHORUS COMMERCE AND TRADE CO.,LTD
Email: sales@cn-lubricantadditive.com; Web: www.cn-lubricantadditive.com
Add: No. 11 Changchun Road, Zhengzhou, China; Tel: +86- 13783582233

# Technical Data Sheet

# Oil Soluble Vanadium Inhibitor Magnesium Additive T2000

# For Gas Turbine Fuel Treatment

**1.Product Introduction:**

This TDS introduces the application instructions regarding the use of T2000 an oil soluble super high Alkali Magnesium additive to inhibit vanadium in ash forming (crude and residual) for gas turbine specially. T2000 Additive is an oil-soluble, turbine-quality, organo-magnesium fuel additive for Gas Turbine. It is made from high pure Magnesium and petroleum-bass sulfonic acid. It has a very good physical and chemical properties, special formulation and completely own the right of knowledge. It can be easy dissolved in heavy fuel oil with any proportion.

T2000 Additive is strictly manufactured with a good stability to hydrolysis, oil-soluble, not volatile and innocuous etc. The additive applies generally to heavy duty gas turbine used in industrial, marine and utility applications.

**2. Application:**

T2000 additive can supply available MgO burned with $V_2O_5$ which built from heavy fuel oil to form high melt point Vanadium Magnesium compound by chemical combination to inhibit vanadium corrosion, and coming into being scattered ash flowing out with turbine exhaust gas. The ratio of T2000 Additive Magnesium and Vanadium in Heavy fuel oil should be around 3～3.5 (Mg:V=3～3.5), or according with the Gas Turbine instructions. The Nickel in the heavy fuel must be calculated with Vanadium for the additive dosage.

**3. Product Physical & Chemical Index**

| | |
|---|---|
| Additive Type | Oil Soluble |
| Magnesium Content | ≥20% |
| Physical Appearance | White Viscous Liquid |
| Density | 1.30~1.40g/ml (20℃) |
| Viscosity | ≤200mPa·s (40℃) |
| Flash Point | ＞60℃ |
| Pour Point, ℃ | ＜-5℃ |
| Na+K | ≤50mg/Kg |
| Ca | ≤500mg/Kg |
| Pb | ≤1mg/Kg |
| V | ≤1mg/Kg |

**4. Package: 200liters iron drums or made to order.**

It is a kind of industrial chemical. Packing and shipping should be accomplished in accordance with acceptable commercial practices for petroleum fractions type of product.