

## TECHNICAL DATA SHEET

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### Finor WT 100

Acrylic Acid HomoPolymer  
SCALE INHIBITOR AND DISPERSANT

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#### Product Features :

- ✓ Scale inhibitor for industrial cooling water, boiler water and oil field water treatment
- ✓ Inhibits precipitation of  $\text{CaCO}_3$ ,  $\text{CaSO}_4$ ,  $\text{CaC}_2\text{O}_4$ ,  $\text{BaSO}_4$  and other low solubility salts
- ✓ Phosphorous free, no phosphorous discharge problems
- ✓ Stable at wide pH levels

#### Specifications :

◆ Appearance	: Clear Colourless to pale yellow liquid
◆ Nature	: Homopolymer of Acrylic acid
◆ Solid Content	: > 40 %
◆ pH (as is )	: 3 to 4
◆ Specific gravity at 25°C	: 1.16 to 1.18
◆ Brookfield viscosity at 25°C	: 50 to 100 cps
◆ Average Molecular Weight	: < 5000
◆ Solubility in water	: Freely soluble in water

#### Benefits :

- ◆ Inhibitor and dispersant with high effectiveness on scale forming salts.
- ◆ Antiscalant efficacy over a wide pH range, high hardness and high temperature.
- ◆ Excellent stability in presence of Hypochlorite.
- ◆ Higher solubility in presence of Calcium ions compared to other polymers.
- ◆ Enhances inhibition properties in combination with high performance dispersants

#### Mechanism of action:

- 1) Threshold effect / solubility enhancement - reduces precipitation of low solubility inorganic salts.
- 2) Crystal modification - yield small, irregular and fractured crystals. Do not adhere well to surfaces.
- 3) Dispersing - prevents crystals / inorganic particles from agglomerating and depositing.



## **Storage, Packing and Handling:**

- ◆ Store away from direct sunlight and high temperature shocks.
- ◆ Non-flammable and non-combustible
- ◆ Available in 60 kg cans, 250 kg drums or 1200 kg totes
- ◆ Products are generally safe for handling. However avoid contact with skin and eyes. Do not take internally. Gloves and Goggles should always be used while handling the product.

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