



Uniphos Chemicals

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XF-5000(Silicon Dispersant)

XF-5000 is a proprietary specialty scale inhibitor and dispersant for silica and magnesium silica.

Typical Physical Properties

Appearance	Clear to light yellow solution
Total solids, %	35.0 ±2.0
pH, as is	4.0 – 5.0
Specific gravity @ 20 °C, g/cm³	1.20 – 1.30

Features

- ★ Best antiscalant for silica/silicate
- ★ Antiscalant for calcium phosphate
- ★ Antifoulant for iron oxide
- ★ Ferrous ion stabilization
- ★ Formulability
- ★ Antiscalant for carbonate
- ★ Antiscalant for calcium sulfate
- ★ Phosphate ion stabilization
- ★ Thermal stability

Benefits

- Prevent the formation of deposits on heat transfer surfaces
- Lower the need for maintenance and repair of water treatment systems
- Reduce make-up water consumption
- Reduce blow-down
- Reduce chemical dosage
- Prolong equipment life

Applications

Cooling water treatment
Geothermal systems
Pulping processes
Desalination systems

Boiler water treatment
Sugar evaporators
RO systems

Packaging

210 L HDPE Drum; IBC/Tote