



RXSOL

CHEMO PHARMA INTERNATIONAL

Technical Data Sheet (TDS)

RXSOL-16-2066-200

Antifoam Defoamer Elite M8

Antifoam for Seawater Desalination systems or other aqueous systems by RXSOL is a high-performance antifoam formulation based on a synergistic blend of **modified alcohols** and **polymerised glycol ethers**, specifically developed to control foam formation in seawater intake, pretreatment, and desalination systems.

The product rapidly collapses existing foam while providing extended foam suppression in seawater streams containing natural organic matter, algae-derived surfactants, hydrocarbons, biological contaminants, and suspended solids. The combination of fast-acting antifoam component and persistent foam-control properties of the polymerised glycol ether delivers both immediate knockdown and long-lasting antifoam performance.

The product is designed for continuous or intermittent injection into seawater make-up lines to minimize operational problems associated with foaming in desalination plants.

Application

Desalination Plants

- Reverse Osmosis (RO) Plants
- Multi-Stage Flash (MSF) Plants
- Multi-Effect Distillation (MED) Plants
- Hybrid Desalination Facilities

Seawater Systems

- Intake Channels
- Seawater Make-up Lines
- Pumping Stations
- Equalization Basins
- Clarifiers
- Dissolved Air Flotation (DAF) Units
- Pretreatment Systems

Industrial Water Systems

- Power Plant Cooling Water Intakes
- Refinery Seawater Systems
- Petrochemical Facilities
- Offshore Platforms
- LNG Terminals

Comarision to Antifoam Defoamer (Silicone based)

Antifoam AF10 (RXSOL-51-2066)

Antifoam Defoamer (Silicon Based)

Rapid dispersion

Moderate

Lower fouling tendency

Higher fouling risk

Easier dilution

Difficult

Better seawater compatibility

Good

Lower deposit formation

Moderate

Suitable for continuous dosing

Excellent

Properties

Parameter	Value
Appearance	Clear to Pale Yellow Liquid
Water solubility	Completely soluble
Specific Gravity at 25°/25°C	<1
Odour	Slight

Features

Dual Action Foam Control

- Instant foam collapse through modified polyol action.
- Long-term foam suppression through polymerised poly glycol ether technology.

Fast Dispersion

- Rapid distribution throughout seawater systems.
- Immediate contact with foam-generating zones.

Extended Foam Prevention

- Reduces re-formation of foam after treatment.
- Maintains stable process conditions.

Improved Plant Reliability

- Minimizes overflow and air entrainment.
- Reduces process interruptions.

Excellent Seawater Compatibility

- Effective across a wide salinity range.
- Suitable for open seawater intake systems.

Low Fouling Characteristics

- Non-silicone formulation.
- Minimal risk of membrane fouling compared with conventional silicone antifoams.

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