

# Belite<sup>®</sup> M8

www.wateradditives.com



## Antifoam for Seawater Distillation Plants

### Description

Belite M8 antifoam is a highly effective liquid product formulated to control foaming and priming in seawater distillation plants. All components of the Belite M8 formulation are approved for use as food additives by US FDA.

### Application

The foaming tendency of seawater in distillation plants is unpredictable. It is generally thought that foam is formed when organic compounds are concentrated in the brine, giving rise to surface active effects which increase the liquid film strength at phase interfaces. Belite M8 is not soluble in water. At use concentrations (0.05 - 0.1 mg/l) Belite M8 forms a micro-emulsion and during evaporation is incorporated into the surface liquid film of bubbles where it acts as a surfactant and reduces the film strength. The result is that the film readily ruptures and stable foam does not form. In this way a uniform boiling or flashing action is achieved and carry-over is minimized.

### Benefits

Belite M8 can be used to control foaming in all types of seawater distillation plant and is particularly suitable for use in multi-stage flash plants. Belite M8 is a formulated product containing ethylene oxide / propylene oxide block copolymer.

### Usage

\*Please consult with your BWA Water Additives representative to determine optimal dosage recommendations for your system.

### Packaging / Weight

Drum                      440 lb                      200 kg

\*Consult your sales representative for availability.

### Physical Properties

Appearance	Clear to pale yellow liquid
Odor	Slight
Saponification value	11.9 - 14.2 mg koh/g
Specific gravity	0.95-1 at 20/20°C
Aqueous emulsion at 20/20 °C	Readily dispersible white-milk
Viscosity	55-65mm <sup>2</sup> /s at 25°C
Water Content	3.5% w/w maximum

Further details are available in the safety data sheet



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