



**American Water Chemicals, Inc.**

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## **AWC E-100 HIGH TEMPERATURE ANTIFOAM**

### **DESCRIPTION AND USE**

AWC E-100 is formulated as a specific, high temperature antifoam designed for use at elevated temperatures (>60°C, 140°F) in water treatment applications such as Multistage Flash Evaporators and Boilers. When added to the system to be treated, it will act as a defoamer and have a residual effect to minimize recurrence of the foaming. The activity of AWC E-100 is independent of temperature. The product is biodegradable and non-hydrocarbon which makes it ideally suited for these applications.

### **CHEMICAL FEEDING AND CONTROL**

AWC E-100 is normally fed continuously to the systems to be treated. It can be mixed with most water treatment chemicals which have been diluted to normal feed strengths; ie <10%. Normal materials of construction are satisfactory for the chemical feed system.

AWC E-100 feedrate is based on feedwater flow/steam production or ratioed to the feed of another chemical as no convenient field test is available. The specific feedrate will vary depending upon system operating conditions and will be specified by the technical representative servicing the facility.

### **TYPICAL PROPERTIES**

Appearance .....	Clear colorless liquid
Odor .....	None
Flash Point .....	None
Specific gravity .....	Approximately 1.0
pH (undiluted).....	6.0-7.0
Freeze Point .....	<0°C(32°F)

### **SAFETY AND HANDLING**

AWC E-100 may be toxic by ingestion. Do not take internally. If ingested, drink at least two (2) glasses of water. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention. Contact with eyes causes irritation. If eyes are contacted, immediately flush with clear water for 15 minutes and if irritation persists, get medical attention. For skin contact, wash with soap and water. For additional information, see the Material Safety Data Sheet provided with this product.

### **PACKAGING**

AWC E-100 is packaged in 55-Gal and 5-Gal plastic containers. Other packaging sizes are available by special order.