

Antiscalants for Seawater Distillation Plants

Description

Belgard EVN is a liquid product for the control of alkaline scaling (calcium carbonate and magnesium hydroxide) in all types of seawater distillation plants. Belgard EVN is a neutralised aqueous solution of a synthetic polymer based on hydrolysed maleic anhydride. Used alone or in conjunction with a sponge ball cleaning system its effectiveness has been demonstrated in distillation plants operating with top brine temperatures up to 120°C.

Application

Belgard EVN can be used in all types of distillation plant but is particularly suitable for use in multi-stage flash plants.

Belgard EVN is a neutralised aqueous solution of an organic acid. There are no special requirements regarding materials of construction of dosing equipment.

Recommended injection points are either into the seawater make-up line after any external de-aeration and decarbonation equipment, or into the recycle brine stream at a suitable point after the blowdown and typically into the discharge of the recycle brine pump.

Usage

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

Packaging / Weight

Drum 550 lb 250 kg

*Consult your sales representative for availability.

Physical Properties

Appearance	Pale amber liquid
Odor	Slight
Solids content	40-45% w/w
Specific gravity	1.26 to 1.30 at 20/20 °C
pH	8.0 - 9.0
Boiling range (760 mm Hg)	100 - 102°C (213-217°F)
Freezing point	0 to -10°C
Solubility in:	
-Water	Miscible
Appearance	Pale amber liquid

Further details are available in the safety data sheet



Americas

1979 Lakeside Parkway,
Suite 925
Tucker, GA 30084, USA
Phone +1 678 802 3050
Or 800 600 4523
Fax +1 678 802 3024
Americas@wateradditives.com

Asia Pacific

No. 1 Magazine Road
#04-01, Central Mall Office Tower
Singapore 059567
Phone +65 9745 3227
Fax +65 6234 3606
AsiaPacific@wateradditives.com

Europe

2 Brightgate Way
Stretford, Manchester M32 0TB
United Kingdom
Phone +44 161 864 6699
Fax +44 161 864 6666
Europe@wateradditives.com

MENA

DMCC Dubai Branch
Office 1802, Level 18
Jumeirah Bay X3 Tower, Cluster X
Jumeirah Lake Towers
P.O. Box 263164, Dubai, UAE
Phone +971 4 880 7336
Fax +971 4 880 7404
MiddleEast@wateradditives.com

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