

# ATLANTIC WATER TECHNOLOGY LTD

## PRODUCT INFORMATION

### A-50-3

#### GENERAL DESCRIPTION

A-503 is based upon Organophosphate for effectively preventing scale formation on the R.O. membrane system.

#### USES

A-503 effectively controls most of R.O. scale and specially calcium sulfate scale.

A-50-3 offers wide range of application benefits up to the following saturation level of the following parameters: calcium sulphate: 9 times saturation, barium sulphate: 50 times saturation, strontium sulphate: 10 times saturation, calcium fluoride: 100 times saturation.

A-50-3 controls also the calcium carbonate up to L.S.1.2.3 and S&DI = 2.0. It can be dosed without acid.

#### COMPATIBILITY

A-503 is not aggressive to the normal materials used in reverse osmosis plant.

Use a steel or plastic dosing equipment.

#### APPLICATION DATA

However, as guidance, the dosing level for A-50-3 is normally in the range of 2-6 ml/m<sup>3</sup> of feed water stream. These limits will be related to operating conditions and feed water quality. Local engineers will advise accordingly.

#### TECHNICAL DATA

Appearance : Clear straw liquid.

Specific Gravity : 1.11 ± .01

pH as supplied : 6.5-7.5

Flash point : Non-flammable

Packaging : 25 and 200 litre containers

Transportation : non-hazardous

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## HEALTH AND SAFETY INFORMATION

### A-50-3

#### POTENTIAL HAZARDS

On the basis of available information, this material is not accepted to produce any significant adverse health effects when recommended use instructions are followed.

#### HANDLING & STORAGE

Store in a cold, dry, ventilated storage area with acid resistant floors and good drainage, protect from physical damage.

Keep out of sun light and from frost and away from heat and strong oxidant agent and strong acid.

Avoid contact with eyes.

Recommended storage limit – 2 years.

#### PROTECTIVE EQUIPMENT

Wear gloves and eye/face protection

#### ECOLOGICAL INFORMATION

**Environmental Fate:** when released into the soil, this material inherently biodegradable.

**Environmental Toxicity:** This material is not expected to be toxic to aquatic life.

#### SPILL PROCEDURES

Flush to drain with plenty water.

Observe local disposal regulations.

#### FIRST AID

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

**SKIN:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing and clean shoes before reuse. Obtain medical advice if there are persistent symptoms.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration, if breathing is difficult, give oxygen.

**INGESTION:** Do not induce vomiting; give large quantity of water or milk if available. Get medical attention immediately.

#### OTHER INFORMATION

A-50-3 is classified as non-hazardous.