



American Water Chemicals, Inc.

9001 Brittany Way

Tampa, Florida 33619, USA

Telephone: (813)-246-5448

Fax: (813)-623-6678

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PRODUCT DATA

AWC A-731 COOLING WATER CORROSION INHIBITOR

DESCRIPTION AND USE

AWC A-731 is a concentrated Zinc Phosphate based corrosion inhibitor designed for open recirculating cooling water systems. It is one of the most effective corrosion inhibitors available for steel, especially when used in conjunction with dispersants such as AWC A-650. AWC A-731 does not contain any corrosion inhibitors for yellow metals, but may be dosed with corrosion inhibitors such as AWC A-600 in order to provide such protection.

CHEMICAL FEEDING AND CONTROL

AWC A-731 is normally fed continuously to the system being treated. The product may either be fed neat directly from the shipping container or diluted and mixed in a chemical feed tank. Normal materials of construction are satisfactory for the chemical feed system, although steel and copper metallurgies should be avoided as product is corrosive at full concentration.

AWC A-731 dosage rate is determined using a phosphate test kit. The test procedure normally used employs a portable titration test kit. The control ranges vary depending upon system operating conditions but generally a phosphate residual of 6 – 7 ppm should be maintained. Dosage rates to achieve such a residual are as low as 10 – 15 ppm.

TYPICAL PROPERTIES

Appearance	Clear yellow liquid
Odor	Mild characteristic
Specific gravity1.45 ± 0.02
pH (undiluted)	< 1

SAFETY AND HANDLING

AWC A-731 may be toxic by ingestion. Do not take internally. If ingested, drink at least two (2) glasses of water and get medical attention. Contact with eyes causes severe irritation or burns. If eyes are contacted, immediately flush with clean water for 15 minutes and then 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 A-731 is packaged in 55-Gal Drums and 5-Gal Pails. Other packaging is available by special request.