

# GENESYS 9221

## SINGLE BLEND TREATMENT

### PRODUCT DESCRIPTION

Genesys 9221 is a liquid treatment based on a blend of tannins for use in steam raising and hot water boilers. Genesys 9221 provides both corrosion protection and scale inhibition by scavenging oxygen, forming a protective film and disrupting crystal growth.

### TYPICAL PROPERTIES

**Appearance:** .....Dark brown liquid  
**pH as supplied:** .....> 11  
**Specific gravity:** .....1.1 to 1.2

### TREATMENT AND DOSAGE

Genesys 9221 is normally diluted and injected by means of a dosage pot or a dosage pump, as appropriate to that particular plant  
 Genesys 9221 is normally dosed so as to maintain the boiler water at a tannin index (DM value) of 12 to 16. The correct treatment level depends on conditions such as operating pressure and the chemical composition of the feed water. The optimum treatment level will be specified by WEX.  
 Genesys 9221 should be diluted ten times using clean water. Genesys 9221 is not corrosive in concentrated or diluted form to steel mixing tanks or dosage pumps.

### PRODUCT BENEFITS

- Tannate film protects metal surfaces.
- Scavenges oxygen, protecting boiler and steam lines.
- Inhibits scale formation. Low toxicity product in liquid form, for ease of use.
- Does not add to boiler water TDS, savings in blow down water losses and savings in associated Fuel energy losses.

### POTENTIAL HAZARDS

This product is not considered to be hazardous, but, as with all industrial chemicals care should be exercised in its handling and use.

### SPILL PROCEDURES

Flush to drain with copious amount of water, observing local regulations for effluent. The relevant authorities should be consul before disposing of very large spills.

## **HANDLING AND STORAGE**

- Wear suitable gloves and eye/face protection.
- Avoid contact with skin and eyes. In case of contact with skin wash well with soap and water. In case of contact with eyes wash immediately with plenty of water for at least 10 minutes. If any irritation persists, seek medical attention.
- Avoid extremes of temperature.
- Replace caps securely after use.
- In case of ingestion wash out mouth thoroughly and drink plenty of water. Do NOT induce vomiting. If any discomfort persists, seek medical attention.
- Recommended maximum storage limit is 2 years.

## **PACKING**

Genesys 9221 is available in 30 / 50 kg carboys and drums.

Please read and understand the material safety data sheet (MSDS) and label before handling and use of this product.