# **PRODUCT DATA**

**FORMULA 2075**

**BOILER WATER TREATMENT**

**DESCRIPTION AND USE**

FORMULA 2075 is a concentrated phosphate based formulation containing, in addition to the phosphate required for the program, sodium sulfite, an alkalinity builder and a combination of carboxylated and sulfonated organic polymers. The product is designed for use in boiler systems having softened makeup water and deaerated feedwater which are operated on the phosphate cycle. Where the deaerating heater is properly functioning, the use of a separate oxygen scavenger should not be required. Where required, a separate condensate return line corrosion inhibitor may be the only additional chemical required for a complete program.

FORMULA 2075 provides one of the most modem and effective combination of polymers for higher heat transfer boilers. However, it is not approved for FDA or USDA applications and FORMULA 2075-F must be specified for these systems.

**CHEMICAL FEEDING AND CONTROL**

FORMULA 2075 is normally fed continuously to the system being treated. However, shot feeding may be satisfactory in some circumstances. The product may be fed neat or diluted and mixed in a chemical feed tank with the other materials required to complete the program. Normal materials of construction are satisfactory for the chemical feed system. However, copper, copper alloys, and aluminum metallurgies must be avoided.

FORMULA 2075 is controlled by a phosphate test on the boiler water. The specific control ranges vary depending upon system operating conditions and will be specified by the technical representative servicing the facility.

**TYPICAL PROPERTIES**

Appearance ……………………………………..Brown colored liquid

Odor ………………………………………………….Practically none

Flash Point . …………………..None

Specific gravity …………………………………………..1.181-1.189

pH(undiluted)……………………………………………………>13.5

Freeze Point ……………………………………………...<-5°C(24°F)

**SAFETY AND HANDLING**

FORMULA 2075 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 and possible blindness. 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

FORMULA 2075 is packaged in 55, 30, and 15 gallon, non-returnable plastic drums. Also, 6 gallon pails are available by special order.