**PRODUCT DATA**

 **FORMULA 1015**

 **COOLING WATER INHIBITOR/DISPERSANT**

**DESCRIPTION AND USE**

FORMULA 1015 is a high performance formulation for open recirculating cooling water systems. The product is formulated with a combination of organic phosphonates, polymeric dispersants, and a copper corrosion inhibitor. The formulation is specifically designed for scale inhibition in systems operated with moderate to high hardness and moderate to high alkalinity makeup water. With this product, it is usually possible to operate at higher cycles than with competitive all organic products, thus saving makeup water and treatment chemicals. In addition, the synergistic blend of inhibitors will provide optimum deposit and corrosion control.

**CHEMICAL FEEDING AND CONTROL**

FORMULA 1015 is normally fed continuously to the system being treated. However, shot feeding may be satisfactory in some circumstances. 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. However, copper, copper alloys, and aluminum metallurgies must be avoided.

FORMULA 1015 is controlled by a molybdate drop test or colorimetric procedure. The test procedure normally used employs a simple color comparator to measure the molybdate as sodium molybdate. The specific control ranges vary depending upon system operating conditions and will be specified by the technical representative servicing the facility.

**TYPICAL PROPERTIES**

Appearance Clear golden liquid

Odor characteristic

Flash Point None

Specific gravity 1.168‑1.174

pH (10% solution) >13.0

Freeze Point <‑5oC (24oF)

**SAFETY AND HANDLING**

FORMULA 1015 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 clear 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**

 FORMULA 1015 is packaged in 55, 30, 15 gallon plastic drums and 6 gallon pails.