



PRODUCT DATA

COOLING LAY-UP 1980 COOLING SYSTEM CORROSION INHIBITOR

DESCRIPTION AND USE

Cooling Lay-up 1980 is a vapor phase corrosion inhibitor (VpCI) formulation, packaged in convenient to handle water-soluble bags and is used for seasonal or long-term lay-up of cooling systems. The powder formulation is not a desiccant and is free of phosphates, heavy metals, and oil-based components. Cooling Lay-up 1980 is designed for wet or dry lay-up of open recirculating and closed loop, multi-metal (steel, copper, galvanized and aluminum) systems. A single application can protect the entire cooling system (liquid phase, vapor/air phase, and liquid/air interface) for up to two years.

This product contains both VpCI and film-forming components that will adsorb on all metal surfaces - reaching throughout the system.

APPLICATION AND TREATMENT REQUIREMENTS

To apply, dissolve the product into the recirculating cooling water (add to a sump directly or pre-mix to a 10% solution and pump) and circulate for 12 hours to 24 hours. The water-soluble bags will readily dissolve when dropped into the cooling tower sump or appropriate water reservoir with good agitation. After the circulation period is complete, the system can be left full of water, partially drained below the frost line or completely drained. Each water soluble bag is sufficient to treat 250 gallons of system volume. A molybdate test can be used to verify dose rate.

Cooling Lay-up 1980 comes packaged with four water-soluble bags per container (roughly 2.2 lbs. of VpCI per bag), each container is sufficient to treat 1000 gallons of total system volume.

During lay-up, the cooling system should be sealed as tightly as possible to hold in the VpCIs. Lay-up can be effective up to two years. For extended lay-up with system flooded, the system should first be disinfected and preserved with appropriate biocide. Refer to Application Guide and your technical representation for application details.

TYPICAL PROPERTIES

Appearance	White powder
Odor	mild amine
pH (1% solution)	10-12
Specific gravity	N.A.
Flash Point.....	None known
Freeze Point	N.A.

SAFETY AND HANDLING

Cooling Lay-up 1980 may be toxic in concentrated form. DO NOT take internally. If ingested, drink several glasses of water or milk and get medical attention. Minimize exposure/contact with powder by wearing protective gloves, glasses and dust/particulate mask. If in contact, minor irritation may occur. Rinse powder from exposed parts with soap and water and get medical attention if irritation persists. For additional information, see the Material Safety Data Sheet provided with this product.

PACKAGING

Cooling Lay-up 1980 comes packaged with four water-soluble bags within a single container.