PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER
KEEP OUT OF THE REACH OF CHILDREN

FORMULA 310 is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. FORMULA 310 can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about 20.3° F (-6.5°C). Therefore, unless the storage tank has mist-eliminating components. FORMULA 310 should be added at the application rates described below to a water treatment system at a convenient point of uniform mixing no. EST. EPA REG. EPA. For guidance, contact your State Water Board or Regional Office of the EPA.

IF SWALLOWED
• Call a poison control center or doctor immediately for treatment advice.
• DO NOT INDUCE VOMITING.
• Do not give anything to drink.

IF IN EYES
• Wash immediately and continuously with flowing water for at least 30 minutes.
• Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist.
• Call a poison control center or a doctor immediately for treatment advice.

IF ON SKIN OR CLOTHING
• Take off contaminated clothing.
• Rinse skin immediately with plenty of water for 15-20 minutes.
• Call a poison control center or a doctor for treatment advice.

IF INHALED
• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
• Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may contaminate the airway tissue. Have the MSDS and, if available, the product container or label with you when calling a Poison Control Center or doctor, or going for treatment.

IN CASE OF AN EMERGENCY endangering life or property involving this product, call CHEMTREC at 1-800-424-9300 or Rocky Mountain Poison Control Center at 1-303-623-5716.

FORMULA 310 is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewers systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

STORAGE AND HANDLING

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewers systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

STORAGE AND DISPOSAL

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or your Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Triple or pressure rinse (or equivalent) promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or other procedures approved by state and local authorities.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

This product may be used only in industrial air washers and air washer systems which have mist-eliminating components. FORMULA 310 should be added at the application rates described below to a water treatment system at a convenient point of uniform mixing no. EST. EPA REG. EPA. For guidance, contact your State Water Board or Regional Office of the EPA.

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AIRWASHERS AND INDUSTRIAL SCRUBBING SYSTEMS/RECIRCULATING COOLING AND PROCESS WATER SYSTEMS

This product may be used only in industrial air washers and air washer systems which have mist-eliminating components. FORMULA 310 should be added at the application rates described below to a water treatment system at a convenient point of uniform mixing such as the basin area. Addition may be made intermittently (SLUG DOSE) or continuously. Badly fouled systems can be shock treated with FORMULA 310. Under these conditions, blowdowns should be discontinued for up to 24 hours. FORMULA 310 can be used in industrial process water systems that contain ultra filtration units and non-medical reverse osmosis membranes (where approved for compatibility by the membrane manufacturer) and associated distribution systems.

INTERMITTENT (SLUG DOSE) METHOD
Initial Dose: When the system is noticeably fouled, apply 4.1 fluid ounces of FORMULA 310 per 100 gallons of water in the system. Repeat until control is achieved. Subsequent Dose: When microbial control is evident, add 1.6 to 4.1 fluid ounces of FORMULA 310 per 100 gallons of water in the system weekly, or as needed to maintain control.

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DIRECTIONS FOR USE - cont

CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably fouled, apply 4.1 to 8.2 fluid ounces of FORMULA 310 per 100 gallons of water in the system. Subsequent Dose: Maintain this treatment level by starting a continuous feed of 0.5 to 4.1 fluid ounces of FORMULA 310 per 100 gallons of water in the system per day. Badly fouled systems must be cleaned before treatment is begun.

SERVICE WATER AND AUXILIARY SYSTEMS

FORMULA 310 should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point that will allow for uniform mixing throughout the system.

HEAT TRANSFER SYSTEMS

(EVAPORATIVE CONDENSERS, DAIRY SWEETWATER SYSTEMS, HYDROSTATIC STERILIZERS, PULP TOWERS, AND IN-PROCESS STEAM HEATERS AND WARMERS)

FORMULA 310 should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point of uniform mixing such as a basin area, sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

INDUSTRIAL WASTEWATER SYSTEMS

(Wastewater Systems, Wastewater Sludge And Wastewater Holding Tanks)

FORMULA 310 should be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester. Add 1.4 to 7.2 gallons (1500 to 7500 ppm FORMULA 310) per 1,000 gallons of wastewater or sludge.

BEET SUGAR MILLS AND BEET SUGAR MILL PROCESS WASTERSYSTEMS

FORMULA 310 should be added to the system at a point of uniform mixing such as the diffuser, transporter, water pump, weir box, or diffuser feed water pump. Additions may be made intermittently (SLUG DOSE) or continuously.

INTERMITTENT (SLUG DOSE) METHOD

Initial Dose: When the system is noticeably contaminated, add 19.6 to 49.1 fluid ounces (667 to 1,667 ppm product) of FORMULA 310 per ton of pulp or paper (867 to 1667 ppm) to the system per day. Repeat until control is achieved. Heavily fouled systems should be boiled out prior to initial treatment.

Subsequent Dose: When microbial control is evident, add 1.0 to 6.6 lbs of FORMULA 310 per ton of pulp or paper (dry basis) as a slug dose. Repeat until control is achieved. Heavily fouled systems should be boiled out prior to initial treatment.

PIGMEN T S AND FILLER SLURRIES FOR PAPER AND PAPERBOARD

(For use in food and non-food contact pigments and filler slurries)

From 0.33 to 2.0 lbs. of FORMULA 310 per 1,000 lbs. of dry powder to produce a concentration from 333 to 2,000 ppm as product (based on slurry solids) in the mixed slurry.

WATER BASED COATINGS FOR PAPER AND PAPERBOARD

NOTE: For use in non-food contact coatings only.

From 0.33 to 2.0 lbs. of FORMULA 310 per 1,000 lbs. of dry powder to produce a concentration from 333 to 2,000 ppm as product (based on slurry solids) in the mixed slurry.

AQUEOUS METALWORKING FLUIDS

FORMULA 310 should be added to a metalworking fluid system at a point of uniform mixing such as the fluid collection tank. Additions may be made intermittently (SLUG DOSE) at intervals of one week or less.

Initial Dose: When the system is noticeably fouled apply 8.2 to 24.6 fluid ounces (100 to 300 ppm active) of FORMULA 310 per 100 gallons of metalworking fluid to the system.

Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 3.3 to 16.4 fluid ounces (40 to 200 ppm active) of FORMULA 310 per 100 gallons of metalworking fluid to the system weekly, or as needed to maintain control. Badly fouled systems should be cleaned before treatment is begun.

PRESERVATIVE FOR CONCENTRATES

For use in concentrates where effective preservation is needed after dilution, add FORMULA 310 to the product formulation at a rate such that the diluted end-use product will contain 0.066% to 0.66% FORMULA 310. At no time during the preservation process should the level of FORMULA 310 exceed 6.6%.

REVERSE OSMOSIS MEMBRANES

For effective preservation of reverse osmosis elements (where approved for compatibility by membrane manufacturer), immerse elements in a tank containing 0.66% to 6.6% FORMULA 310. FORMULA 310 can also be added to in-line recirculating systems for preservation of installed out-of-service reverse osmosis equipment (where approved for compatibility by membrane manufacturer). Add 0.66% to 6.6% FORMULA 310 to the tank in the circulating system. Maintain the concentration of FORMULA 310 by periodic addition to counteract any system leakage.

HYDROTHERMAL AND SAFETY SYSTEMS

Water used to hydrotest pipelines or vessels should contain 330 to 13,330 ppm FORMULA 310 (0.3 to 12.8 gallons FORMULA 310 per 1,000 gallons water), depending on water quality and length of time the equipment will remain idle.

CONCRETE ADJUNCTS

For effective preservation of concrete admixtures, add FORMULA 310 to the product formulation at a rate of 8.660 to 36.700 g/min based on the weight of the admixture (L.7 to 26.7 lbs FORMULA 310 per 1,000 lbs. concrete admixture). Mix uniformly.

LIMITED WARRANTY AND DISCLAIMER

Seller warrants that the product conforms to the chemical description as contained on this label and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use. The WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.