FORMULA 3000
(26% Active Sodium Chlorite)

ACTIVE INGREDIENT: Sodium Chlorite* 26%
OTHER INGREDIENTS:  79%
*AVAILABLE CHLORINE  39%
CONTAINS 2.68 LBS. OF SODIUM CHLORITE PER GALLON AT 70°F
KEEPC OUT OF REACH OF CHILDREN

DANGER
Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed. Irritating to nose and throat. Do not get in eyes, on skin or on clothing. Wear protective eyewear (splash-proof goggles). Wear protective clothing and rubber gloves when handling this product. Avoid breathing mist or fumes. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse to avoid fire.

ENVIRONMENTAL HAZARDS
This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, swales, 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 the discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

CHEMICAL HAZARDS
Dry sodium chlorite is a strong oxidizing agent. This product becomes a fire or explosive hazard if allowed to mix only with water. Contamination may start a chemical reaction with generation of heat, liberation of hazardous gases (chlorine dioxide, a poisonous, explosive gas), and possible fire and explosion. Do not contaminate with garbage, dirt, organic matter, household products, chemicals, soap products, paint products, solvents, acids, vinyl, beverages, oils, pine oil, dry rags, or any other foreign matter.

DIRECTIONS FOR USE
It is a violation of Federal law to use the product in a manner inconsistent with its labeling.

Directions for Controlling the Growth of Algae in Recirculating Cooling Water Towers
2. When algae are visible, add an initial dosage of 4.4 fluid ounces of Formula 3000 per 1,000 gallons of water in the system. Repeat if necessary until control is evident.
3. Where algae control is evident, use a subsequent dosage of 4.2 fluid ounces of Formula 3000 per 1,000 gallons of water in the system twice a week or as needed to maintain control.
4. Add Formula 3000 directly into the cooling tower dry pan (cold water basin) near the inlet to the recirculating pump.

Directions for Use in the Mechanical or Electrolytic Generation of Chlorine Dioxide as a Disinfectant, or for Microorganisms or Mollusk Control and as a Chemical Oxidant in Aquatic Systems
Feed Requirements: Feed rates of Formula 3000 will depend on the severity of contamination and the degree of control desired. The exact dosage will depend on the size of the system and residual necessary for effective control. Depending on the generator type, Formula 3000 may be diffused at the point of use to prepare a 3% to 25% active aqueous solution for use in chlorine dioxide generators.

For Chemical Emergency Spill, Leak, Fire, Explosion, or an Accident call CHEMTREC at 1-800-242-9830. You may also call the Rocky Mountain Poison Control Center at 1-303-623-5716 for emergency medical treatment information.

NOTE TO PHYSICIAN
Probable mucosal damage may contraindicate the use of gastric lavage.

EPA REG. NO. 6382-43-8640
EPA EST. NO. 6382-KS-1 [ ] 70647-JL-1 [ ]

PRODUCT NO. 0300055
NET WEIGHT 565 LBS. (56 GAL.)

NSF LISTED (141872)
Category Code: G1, G5, 3D,

Precautionary Statements
Hazard to Humans and Domestic Animals
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Mollusk Control in Water Systems
Chlorine dioxide generated from Formula 3000 may be used for mollusk control in commercial and industrial recirculating and one-pass cooling water systems. The required dosages will vary with the system type, system conditions, the degree of water contamination present and the desired level of control. Depending on the extent of the infestation, Formula 3000 may be applied either continuously or intermittently through a chlorine dioxide generating system to achieve the necessary chlorine dioxide residual concentration.

Veliger Control: Maintain a continuous chlorine dioxide residual of 0.1-0.6 ppm. INTERRMITTENT DOSE: Apply chlorine dioxide to obtain a chlorine dioxide residual concentration of 0.2-25 ppm. Repeat as necessary to maintain control. CONTINUOUS DOSE: Maintain a chlorine dioxide residual concentration of up to 2 ppm.

Bacterial Control in Oil Wells and Petroleum Systems
Chlorine dioxide is effective in the remediation of bacterial and sulfide contamination commonly found in oilfield production, injection and disposal fluids. The required dosages will vary with process conditions. Formula 3000 may be applied either continuously or intermittently through a chlorine dioxide generating system to oil well production water as it is separated from the oil, and before it is re-injected into the well.

For continuous feeds, chlorine dioxide may be applied at dosages slightly higher than sulfide's oxidative demands as determined by a demand study. For intermittent treatment, chlorine dioxide should be applied at a shock dosage of 200-3000 ppm.

Wastewater Treatment
Chlorine dioxide (ClO₂) is effective as both a disinfectant and an oxidant in wastewater treatment. The required dosages will vary with water conditions and the degree of contamination present. For most municipal and other wastewater systems, a chlorine dioxide residual concentration of up to 6 ppm is sufficient to provide adequate disinfection.

For sulfide odor control, between pH 5-9, a minimum of 0.2 ppm (wt) of chlorine dioxide should be applied to oxidize 1 ppm of sulfide (measured as sulfide ion). For phenol destruction, at pH less than 8, 5 ppm chlorine dioxide will oxidize 1 ppm phenol; at pH greater than 10, 3.3 ppm chlorine dioxide will oxidize 1 ppm phenol.

STORAGE AND DISPOSAL
STORAGE: Do not contaminate water, food, or feed by storage or disposal. Keep product in tightly closed container when not in use. Don't drop, roll or skid drum. Keep upright. Always replace cover. Store in a cool, dry, well-ventilated area away from heat or open flame. EMERGENCY HANDLING: In case of contamination or decomposition, do not reseal container. If possible, isolate container in open and well ventilated area. Flood with large volumes of water. If fire occurs, extinguish fire by applying large quantities of water. Any unopened drums near the fire should be cooled by spraying with water.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. 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 Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

UN1908, CHLORITE SOLUTION, 8, PGI
CORROSIVE LABEL REQUIRED

STORAGE AND DISPOSAL - cont
CONTAINER DISPOSAL: [5 gallons] Nonrefillable Container. Do not reuse or refill this container. Offer for recycling if available. Offer for reconditioning if appropriate. Triple Rinse or Pressure Rinse container promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ½ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure Rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds, after the flow begins to drip.

CONTAINER DISPOSAL: [30 and 55 gallon drums] Nonrefillable Container. Do not reuse or refill this container. Offer for recycling if available. Offer for reconditioning if appropriate. Triple Rinse or Pressure Rinse container promptly after emptying. Triple Rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container ½ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Pressure Rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds, after the flow begins to drip.

CONTAINER DISPOSAL: [Totes or IBC] Refillable Container. Refill this container with FORMULA 3000 only. Do not reuse this container for any other purpose. Cleaning or pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water, Agitate vigorously or resuscitate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing process two more times. To pressure rinse the container before final disposal, empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds, after the flow begins to drip.