FORMULA 3100

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through skin. Wear protective goggles or face shield. Coveralls, over long-sleeved shirt and long pants, socks, chemical resistant footwear, and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Loaders, applicators and other handlers must wear:
Coveralls over long-sleeved shirt and long pants, Chemical-resistant footwear and socks, Goggles or face shield. Chemical-resistant gloves made of waterproof material.

USER SAFETY REQUIREMENTS

Users must wash hands before eating, chewing gum, using tobacco or using the toilets. User must remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. User must remove PPE immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Use FORMULA 3100 TO CONTROL BIOFILM AND ODOR FROM MICROORGANISMS IN RECIRCULATING WATER SYSTEMS. TANK ADDITION:
1. Determine the volume of water in the recycle storage tank. Add 200 grams (7.0 oz.) of FORMULA 3100 for each 1000 gallons of water to the storage tank.
2. Open FORMULA 3100 package and drop tablets into storage tank.
3. Repeat steps once per week or when necessary. Use FORMULA 3100 TO CONTROL THE GROWTH OF BACTERIA, FUNGI, ALGAE AND BIOFILM DEPOSITS IN COMMERCIAL AND INDUSTRIAL RECYCLING COOLING WATER SYSTEMS.
1. For each 1,000 gallons of cooling water, add to the tower sump between 10 and 250 grams (0.35 and 8.8 oz.) of FORMULA 3100 to achieve a residual chlorine dioxide concentration between 0.1 and 0.5 ppm. Repeat application at least weekly.
2. Sample the cooling water at the circulating pump discharge and, if the chlorine dioxide residual does not reach 0.1 ppm, increase the addition rate as needed.

DIRECTIONS FOR USE - continuation

In a Dosing Tank and Pump:
1. Fill a FORMULA 3100 solution concentrate tank with clean water.
2. For every 10 gallons of water in the tank, add 1700 grams of FORMULA 3100.
3. Tightly cover the tank with its cover.
4. Set the dosing pump to deliver chlorine dioxide solution from the concentrate tank to the circulating water from the tower at a rate of between 1/4 and 1 liter (8 and 32 fl. oz.) per minute.
5. For every 1,000 gallons of cooling water, set the dosing pump to run a sufficient time to deliver between 0.25 and 5 liter (8 and 170 fl. oz.) of solution from the concentrate tank.
6. Achieve a residual chlorine dioxide concentration between 0.1 and 0.5 ppm at least weekly. Sample the cooling water at the circulating pump and discharge and, if chlorine dioxide residual does not reach 0.1 ppm, increase the addition rate as needed.

USE FORMULA 3100 TO REDUCE ODOR AND BIOFILM FORMING BACTERIA IN CANNING RETORT AND PASTEURIZER COOLING WATER.
1. All tanks, tunnels, conveyors, heat exchangers, lines, spray bars, and nozzles must be thoroughly cleaned, when possible, and completely rinsed, using clean potable water prior to treatment.
2. For each 10,000 gallons of cooling water, add to the tower sump 20 – 100 grams (0.7 – 3.5 oz.) of FORMULA 3100. Repeat application daily.
3. Maintain the residual chlorine dioxide concentration between 0.1-0.5 ppm. Sample the cooling water at the circulating pump discharge and, if the concentration of microorganisms exceeds 10^5 cfu/ml and/or the chlorine dioxide residual falls below 0.1 ppm, increase the addition rate to twice daily or higher.

Note: Use a HACH or similar kit to measure residual ClO₂.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store this product in a cool, dry area away from direct sunlight and heat to avoid deterioration.

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.

CONTAINER DISPOSAL: Non-refillable pouch. Do not reuse or refill this pouch. Offer for recycling, if available. If recycling is not available, dispose empty pouch in sanitary landfill or by incineration.

UN 3131, WATER REACTIVE SOLID, CORROSIVE, N.O.S. (CONTAINS SODIUM CHLORITE, TRICOLOSENE SODIUM DIHYDRATE), 4.3 (B), PGII

REVIEWED 3/15/2015 EXPIRATION DATE __________________ LOT# __________________

Sold by: GARRATT-CALLAHAN COMPANY
50 Ingold Road, Burlingame, CA 94010

Copyright © 2010
Garrett Callahan
Water Treatment Experience Since 1990

Prepared by: Garrett Callahan
50 Ingold Road
Burlingame, CA 94010-2206
(650) 697-5811

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Burlingame, CA 94010-2206
(650) 697-5811

Free oxidant 9.56% (minimum)

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

IF IN EYES
Hold eye open and rinse slowly and gently with water for 15-20 minutes.
Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
Call a poison control center or doctor 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 doctor for treatment advice.

IF SWALLOWED
Do not induce vomiting unless told to do so by the poison control center or doctor.
Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling poison control center or doctor, or going for treatment. You may contact 1-800-424-9300 for emergency medical treatment information.

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

EPA REG. NO. 70060-16-8540
EPA EST. NO. 89559-DEU-001

PRODUCT NO. 0310011
NET WEIGHT 19.8 LBS (9 KG)
(contains 9 X 1000 gram pouches)

HOT LINE NUMBER
650-697-5811

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Made in Germany