

PM 32

Roger E. Etherington
Vulcan Materials Company
Chemicals Division
P. O. Box 530390
Birmingham, AL 35253-0390

OCT 15 1997

Dear Mr. Etherington:

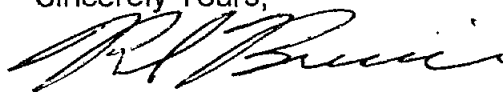
Subject: Technical Sodium Chlorite (EPA Reg. No.5382-42)
Label and CSF Amendments
Correspondence Dated August 28, 1997

The Confidential Statement of Formula (CSF) is acceptable for the above product and supersedes all previous CSFs for the product.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Should you have any questions or concerns, please call Kathryn Scanlon on (703) 308-6418.

Sincerely Yours,



Robert S. Brennis
Acting Product Manager 32
Regulatory Management Branch II
Antimicrobial Division (7504C)

7510W:K.Scanlon:ks:10/14/97:VULCAN.LTR

CONCURRENCES

SYMBOL ▶	7510W							
SURNAME ▶	K. Scanlon							
DATE ▶	Oct 14, 1997							

NEW LABEL

2 7 5

TECHNICAL SODIUM CHLORITE

ACCEPTED
with COMMENTS
in EPA Letter Dated:

OCT 15 1997

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.

5382-42

ACTIVE INGREDIENT: Sodium Chlorite* 80%
INERT INGREDIENTS: 20%
*AVAILABLE CHLORINE 125%

KEEP OUT OF REACH OF CHILDREN DANGER!

FIRST AID

If on skin-	Brush off excess chemical and flush skin with cold water for at least 15 minutes. Call a physician.
If Swallowed-	Give large amounts of water. Call a physician.
If in Eyes-	Flush with cold water for at least 15 minutes. Call a physician.

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONS

EPA Reg. No. 5382-42

EPA Est. 5382-KS-1

100 Lbs.Net

Vulcan CHEMICALS

A BUSINESS GROUP OF VULCAN MATERIALS COMPANY
P O Box 530390, Birmingham Alabama 35253-0390

VMC-6100 (8/97)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER

May produce burns when moist. May be fatal if swallowed. Do not get in eyes, or on skin, or clothing. Do not handle with bare hands. Wear goggles or face shield and neoprene gloves and use only thoroughly clean, dry utensils when handling. Irritating to nose and throat. Avoid breathing dust and fumes. Remove and wash contaminated clothing to avoid fire.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label. 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 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

Danger: strong oxidizing agent. Mix only into 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 moisture, garbage, dirt, organic matter, household products, chemicals, soap products, paint products, solvents, acids, vinegar, beverages, oils, pine oil, dirty rags, or any other foreign matter. Do not use moist or damp utensils.

DIRECTIONS FOR USE

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

Directions for Controlling the Growth of Algae in Recirculating Cooling Water Towers

1. Clean badly fouled systems before starting treatment. 2. When algae are visible, add an initial dosage of 5.3 fl. oz. (3.4 oz. by wt.) of Sodium Chlorite per 1,000 gals. of water in the system. Repeat if necessary until control is evident. 3. Where algae control is evident, use a subsequent dose of 2.6 fl. oz. (1.7 oz. by wt.) of Sodium Chlorite solution per 1,000 gals. of water in the system twice a week or as needed to maintain control. 4. Add Sodium Chlorite directly to the cooling tower drip pan (cold water basin) near the inlet to the recirculating pump.

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Directions for Use in the Mechanical Generation of Chlorine Dioxide as a Disinfectant, or for Microorganism or Mollusk Control and as a Chemical Oxidant in Aquatic Systems.

Feed requirements: Feed rates of Technical Sodium Chlorite 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. Technical Sodium Chlorite is typically diluted to prepare a 25% active aqueous solution for use in chlorine dioxide generators.

Some examples of industrial applications of chlorine dioxide include:

- Potable water disinfection and removal of sulfide.
- Control of bacterial slime, algae and mollusks in industrial recirculating and one-pass cooling systems.
- Biocontrol in food processing flumes, water-using equipment, cooling water, and recycled waters.
- Disinfection of sewage and plant wastes.
- Destruction of phenolics, simple cyanides and sulfides by chemical oxidation.
- Bacterial slime control in white water paper mill systems.
- Bacterial control in oil well and petroleum systems.

See product bulletins for specific application instructions. Your Vulcan representative can guide you in the application techniques.

Method of feed: Large amounts of chlorine dioxide can be generated by two common methods:

- 1 the chlorine method which utilizes a Sodium Chlorite solution and chlorine gas, or
 - 2 the hypochlorite method which utilizes a Sodium Chlorite solution, a hypochlorite solution, and an acid.
- Your Vulcan representative can guide you in the selection, installation and operation for feed systems.

Consult product bulletin and also the instructions on the chlorine dioxide generation system before using Technical Sodium Chlorite.

User is responsible for compliance with applicable federal, state and local laws regarding proper use and disposal of the chlorine dioxide generated.

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.

CONTAINER DISPOSAL: Triple rinse container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.