

PP 32

38539-6

1 of 3

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

NOV 6 1990

Imperial West Chemical Co.  
1701 Wilbur Ave.  
Antioch, CA 94509

Attn: G.W. Roy:  
Agent for Imperial West Chemical Co.

Subject: Imperial Chlor No. 2  
EPA Registration No. 38539-6  
Your Label Amendment of August 6, 1990

The labeling referred to above, and it's pertaining product bulletin, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. A stamped copy is enclosed for your records. Five copies of the finished labeling must be submitted before you release the product for shipment.

Since this product is only being shipped in bulk by tank trucks or tank cars, the deletion of the sentence "Do not reuse container but place in trash collection" within the Storage and Disposal section of your label would be acceptable and appropriate.

Accordingly, please revise the Net Contents Statement on your product label, deleting "30-55 gallon drums".

If you should have any questions concerning this letter, you may call Robert Travaglini on (703) 557-6909.

Sincerely,



Walter C. Francis  
Acting Product Manager (32)  
Antimicrobial Program Branch  
Registration Division (H7504C)

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER:** Corrosive, may cause severe skin and eye irritation or chemical burns to broken skin. Causes eye damage. Wear face shield or goggles and rubber gloves when handling this product. Wash after handling. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until strong odors have dissipated.

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish. Do not discharge into lakes, streams, ponds or public waterways unless in accordance with a NPDES permit. For guidance, contact the regional office of the U.S. Environmental Protection Agency.

**PHYSICAL OR CHEMICAL HAZARDS:  
STRONG OXIDIZING AGENT:**  
Mix only with water according to label directions. Mixing this product with chemicals (e.g. ammonia, acids, detergents, etc.) or organic matter (e.g. urine, feces, etc.) will release chlorine gas which is irritating to eyes, lungs and mucous membranes.

**STORAGE AND DISPOSAL**

Store this product in a cool dry area, away from direct sunlight and heat to avoid deterioration. In case of spill, flood areas with large quantities of water. Product or rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer. ~~Do not reuse container but place in trash.~~ Do not contaminate food or feed by storage, disposal or cleaning of equipment.

**WARRANTY STATEMENT**

Seller's warranty shall be limited to the terms of the label acceptance of this product. The buyer assumes any risk to persons or property arising out of use or handling of product.

# Imperial Chlor No. 2

For bulk shipment in tank trucks, tank cars, or 30 - 55 gallon drums

**Solution of Sodium Hypochlorite**

For use as a disinfectant, algicide, and microbicide of slime producing organisms in:

- Waste Water Treatment Plants
- Water Purification Plants
- Industrial and Commercial Recirculating Cooling Water Systems
- Food Processing Plants and Equipment
- Bleach in Commercial Laundries

ACTIVE INGREDIENT:  
SODIUM HYPOCHLORITE..... 12.5%  
INERT INGREDIENTS: ..... 87.5%  
100.0%

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**STATEMENT OF PRACTICAL TREATMENT (FIRST AID)**

IF CONTACT WITH EYES OCCURS, flush with water for at least 15 minutes. Get prompt medical attention.

IF CONTACT WITH SKIN OCCURS, wash with plenty of soap and water.

IF SWALLOWED, drink large quantities of milk or gelatin solution or, if these are not available, drink large quantities of water. DO NOT give vinegar or other acids. DO NOT induce vomiting. Get prompt medical attention.

See additional precautions on side panel

Manufactured By

ACCEPTED with COMMENTS  
NOV 11 1988

**IMPERIAL WEST CHEMICAL COMPANY  
ANTIOCH, CALIFORNIA 94509**

EPA ESTABLISHMENT NO 38539-CA-01

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 38539-6

NET CONTENTS

It is a violation of federal law to use this product in a manner inconsistent with its label. NOTE: This product is not to be used to increase dosage and increase dosage level of available chlorine.

**SANITIZATION  
CO**

**RINSE METHOD —** This product may be used in the same manner as available. Solutions of 100 ppm available chlorine should be used periodically to insure disinfection below 50 ppm. Prepare solution by thoroughly mixing 1 part product with 20 parts water. If no test kit is available, thoroughly mix 2 parts product with 100 parts water to provide appropriate weight.

Clean equipment surfaces by rinsing all surfaces thoroughly with this solution, maintaining contact with solution for 15 minutes. Solution contains less than 100 ppm available chlorine. Add sufficient product to solution to provide appropriate weight. Do not rinse equipment. Soak equipment overnight. Sanitizers used in general cleaning purposes.

**DISINFECTANT**

**PUBLIC SYSTEMS:** Minimum of 100 gallons of water. 100 ppm available chlorine throughout the distribution system. Conducted at a frequency of 100 ppm. National Interim Primary Drinking Water Regulations. Contact your local Health Department.

**LA**  
**FORMULA FOR 1% SOLUTION:** 1.33 gallons of water per 100 pounds of product. Solution to be discarded per disposal instructions.

**A**  
**Sewage & Wastewater Treatment**  
**Consult Product Label and Instructions**

Unsub. L. 1  
Fungicide, and Rodenticide Act  
amended for the pesticide  
registered under FPA Reg. No.  
38539-6

# PRODUCT BULLETIN 1

## SEWAGE & WASTEWATER EFFLUENT TREATMENT

The disinfection of sewage effluent must be evaluated by determining the total number of coliform bacteria and/or fecal coliform bacteria, as determined by the Most Probable Number (MPN) procedure, of the chlorinated effluent has been reduced to or below the maximum permitted by the controlling regulatory jurisdiction.

On the average, satisfactory disinfection of secondary wastewater effluent can be obtained when the chlorine residual is 0.5 ppm after 15 minutes contact. Although the chlorine residual is the critical factor in disinfection, the importance of correlating chlorine residual with bacterial kill must be emphasized. The MPN of the effluent, which is directly related to the water quality standards requirements, should be the final and primary standard and the chlorine residual should be considered an operating standard valid only to the extent verified by the coliform quality of the effluent.

The following are critical factors affecting wastewater disinfection.

1. **Mixing:** It is imperative that the product and the wastewater be instantaneously and completely flash mixed to assure reaction with every chemically active soluble and particulate component of the wastewater.
2. **Contacting:** Upon flash mixing, the flow through the system must be maintained.
3. **Dosage/Residual Control:** Successful disinfection is extremely dependent on response to fluctuating chlorine demand to maintain a predetermined, desirable chlorine level. Secondary effluent should contain 0.2 to 1.0 ppm chlorine residual after a 15 to 30 minute contact time. A reasonable average of residual chlorine is 0.5 ppm after 15 minutes contact time.

## SEWAGE AND WASTEWATER TREATMENT

**EFFLUENT SLIME CONTROL** - Apply a 100 to 1000 ppm available chlorine solution at a location which will allow complete mixing. Prepare this solution by mixing 10 to 100 oz. of this product with 100 gallons of water. Once control is evident, apply a 15 ppm available chlorine solution. Prepare this solution by mixing 3 oz. of this product with 100 gallons of water.

**FILTER BEDS - SLIME CONTROL:** Remove filter from service, drain to a depth of 1 ft. above filter sand, and add 80 oz. of product per 20 sq/ft evenly over the surface. Wait 30 minutes before draining water to a level that is even with the top of the filter. Wait for 4 to 6 hours before completely draining and backwashing filter.