SPECTRUS® CT1300
FOR CONTROL OF MOLLUSCA, BARNACLES, HYDRAZOA, BRYOZOA, AND BACTERIAL, FUNGAL AND ALGAL SLIMES GROWTH IN WATER SYSTEMS

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. Do not get in eyes, on skin or on clothing. Wear goggles or face shield, protective clothing, and rubber gloves. May be fatal if swallowed, absorbed through the skin, or inhaled. Do not breathe spray mist. Wear a dust mist filtering respirator (MSHA/NIOSH approval # prefix TC-21C). Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This product 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 sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

HAZARDS TO OTHER LIVING ORGANISMS

KEEP OUT OF REACH OF CHILDREN

DANGER

For product use see Panel 2. For Industrial Use. Technical advice regarding specific site problems is available from SUEZ WTS USA, Inc. A Material Safety Data Sheet containing more detailed information relative to this product is available upon request.

ACTIVE INGREDIENT:

N-Alkyl (50% C14, 40% C12, 10% C16) dimethylbenzyl ammonium chloride . . . . . . . .   50.0%

INERT INGREDIENTS*: . . . . . . . . . . . . . . . .   50.0%

TOTAL   . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 100.0%

CONTENTS: LIQUID

POUNDS PER GALLON: 8.0

EPA REGISTRATION NUMBER: 3876-149

FIRST AID

IN CASE OF ACCIDENT OR EMERGENCY: Call a poison control center or doctor for advice. Note: call Anti-Venom Center if applicable. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-877-1940 for emergency medical treatment information.

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

PROTECTIVE CLOTHING:

EYE PROTECTION: Safety goggles. Face Shield. Respirator if dust/mist is present.

PROTECTIVE CLOTHING:

SPECIAL CLOTHING: None. Use PPE appropriate for the chemical.

PROTECTIVE CLOTHING:

RESPIRATORY PROTECTION: NIOSH approved A2 mask.

PROTECTIVE CLOTHING:

OTHER PROTECTIVE EQUIPMENT: None.

RECORDS OF EXPOSURE AND MEDICAL CONCERNS:

Skin Irritation: May cause skin irritation.

Eye/Contact: May cause eye irritation.

Health Effects:

Other: None reported.

PHYSICAL AND CHEMICAL PROPERTIES:

FLASH POINT: Non-flammable.

VAPOR PRESSURE: Non-volatile.

BOILING POINT: Non-volatile.

FREEzing Point: Non-volatile.

MASS PER UNIT VOLUME: Non-volatile.

If you have a suspected case of poisoning, or any further questions, contact 1-800-877-1940.

SUEZ WTS USA, Inc.
4636 Somerton Road, Trevose, PA, 19053

Business Phone: 215-355-3300 • Emergency Phone: 800-877-1940
SPECTRUS® CT1300

FOR CONTROL OF MOLLUSCA, BARNACLES, HYDRAZOA, BRYOZOA, AND BACTERIAL, FUNGAL AND ALGAL SLIMES GROWTH IN WATER SYSTEMS

DIRECTIONS FOR USE:
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not use water containing residues from use of this product to irrigate crops used for food or feed.

INDUSTRIAL WATER TREATMENT – POTABLE USE PERMITTED
This product aids in the control of mollusca, barnacles, hydra, bryozoa and of bacterial, fungal and algal slimes in evaporative condensers; heat exchange water systems; commercial and industrial recirculating cooling towers; influent systems such as flow-through filters and lagoons; industrial water scrubbing systems and brewery pasteurizers. This product may be added to the systems as needed. The frequency of feeding and duration of the treatment will depend upon the severity of the problem. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

FOR CONTROL OF MOLLUSCA, BARNACLES, HYDRAZOA AND BRYOZOA
Add this product at the rate of 0.016 to 0.166 pound (2 to 20 ppm) per 1000 gallons of water in the system. Maintain this concentration for 3 to 96 hours.

FOR CONTROL OF BACTERIA AND FUNGUS
INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.1 to 0.3 pound (12 to 36 ppm) per 1000 gallons of water in the system. Repeat until control is achieved. SUBSEQUENT DOSE: When control is evident, add this product at the rate of 0.05 to 0.15 pound (6 to 18 ppm) per 1000 gallons of water in the system based on water lost or blown down from the system.

FOR THE CONTROL OF ALGAE
INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.15 to 0.65 pound (18 to 78 ppm) per 1000 gallons of water in the system. Repeat until control is achieved. SUBSEQUENT DOSE: When control is evident, add this product at the rate of 0.1 to 0.3 pound (12 to 36 ppm) per 1000 gallons of water in the system based on water lost or blown down from the system.

ONCE-THROUGH INDUSTRIAL COOLING WATER SYSTEMS – NO POTABLE USE PERMITTED
This product aids in the control of mollusca, barnacles, hydra, bryozoa and of algat, bacterial and fungal slimes in once-through fresh and sea water cooling systems; cooling ponds; canals and lagoons. This product may be added to the system inlet water or before any contaminated area in the system. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

USE OF THIS PRODUCT IN ANY COMMERCIAL COOLING SYSTEM THAT DISCHARGES EFFLUENT WITHIN 1/4 MILE OF ANY PUBLIC/COMMUNICATING OR SINGLE OR MULTI-FAMILY PRIVATE/RESIDENTIAL POTABLE/DRINKING WATER INTAKES IS STRICKLY PROHIBITED.

CONTINUOUS FEED METHOD LOW LEVEL DOSING: Add this product at the rate of 0.002 to 0.024 pound (0.25 to 3 ppm) per 1000 gallons of water based on water lost or blown down from the system. Repeat applications during the following years spawning season.

INTERMITTENT APPLICATIONS:
Apply this product a 0.004 to 0.080 pounds (0.5 to 10 ppm) per 1000 gallons of water for 30 minutes to 6 hours daily during period when fouling organism are spawning and infesting once-through systems. Repeat applications during the following years spawning season.

Deactivation must be conducted prior to discharge from the system by using bentonite clay at a minimum ratio of 5 ppm clay to 1 ppm product.

FOR THE CONTROL OF ALGAE, BACTERIA AND FUNGUS
INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.15 to 0.65 pound (18 to 78 ppm) per 1000 gallons of water based on the flow rate through the system. Maintenance treatment intervals should be 15 minutes. Repeat until control is achieved. SUBSEQUENT DOSE: When control is evident, add this product at the rate of 0.1 to 0.3 pound (12 to 36 ppm) per 1000 gallons of water based on the flow rate through the system.

Deactivation must be conducted prior to discharge from the system by using bentonite clay at a minimum ratio of 5 ppm clay to 1 ppm product.

FOR AUXILIARY WATER/SERVICE WATER AND WASTE WATER SYSTEMS
This product aids in the control of mollusca, barnacles, hydra, bryozoa and of odor-forming and slime-forming bacteria, fungi and algae in auxiliary water systems such as fire protection systems and pump or screen bays, waste water and waste material disposal, holding or recovery systems such as storage tanks, storage piles, associated piping, settling ponds or lagoons, transport spillways or canals and disposal wells. Add this product to the system water or by spraying onto a waste pile as needed. The frequency of feed or spray and the duration of treatment will depend upon the severity of the contamination. Additions to water systems should be made during the pumping operation and as close to the pump as possible to ensure adequate mixing.

INTERMITTENT OR SLUG METHOD: When treatment is required, add this product at the rate of 0.3 to 1.3 pounds (36 to 156 ppm) per 1000 gallons of water already in the system, or being added to the system, for 4 to 8 hours, 1 to 4 times per week or as needed to achieve the desired level of control. When control is obtained, add this product at the rate of 0.15 to 0.65 pound (18 to 78 ppm) per 1000 gallons of water in the system every 3 days or as needed to maintain control.

Lot Number: Panel 2 of 2
Material ID: SUEZ WTS USA, Inc., 4636 Somerton Road, Trevose, PA, 19053
Packaging Date: Business Phone: 215-355-3300 • Emergency Phone: 800-877-1940
Net Weight: 78 mg/L.

Maximum Use Level (miscellaneous water treatment): 78 mg/L.