

## Water Technologies & Solutions fact sheet

# Spectrus\* CT1304

## mollusc control agent

- Seasonal use can control common molluscs at any growth stage
- Applicable to the biological control of all shellfish, clams, and oysters in sea water and fresh water
- No foaming at use concentration
- Lower toxicity to non-target species

### description and use

Spectrus\* CT1304 is a bio-control agent specifically formulated to control molluscs in a variety of industrial water-based systems. Spectrus CT1304 can also be used for control of algae, bacteria, and fungal slimes in these same water systems.

Control of macrofouling organisms such as molluscs is needed to prevent blocked water lines and damaged equipment. Uncontrolled growth of macrofouling organisms can lead to higher maintenance and production costs, reduced plant safety, and even plant outages. Therefore, an effective macrofouling control is necessary for operating units to achieve profitability goals. More importantly, effective macrofouling control is essential to ensure availability of fire protection systems and other safety related equipment.



CT1304 can control the growth of various molluscs

Spectrus CT1304, applied in brief (8-24 hour) seasonal applications, is effective against all molluscs at all life stages. Spectrus CT1304 is effective against adult organisms and will prevent immature forms from growing to a fouling size.

Spectrus CT1304 is an organic biocide formulated to be free of heavy metals and EPA priority pollutants.

### environmental benefits

The product is easily adsorbed by suspended matter or sediment and its half-life is short. After being adsorbed, its toxicity is eliminated and eventually biodegraded to carbon dioxide and water, and it no longer constitutes a hazard to the water environment and beneficial biological groups.

Because Spectrus CT1304 provides macrofouling control in just a few hours, it reduces chemical consumption, environmental impact and treatment costs compared to halogen-based macrofouling treatments. When halogens are used for mollusc control, they must be applied continuously for several weeks if they are to be effective, and they must be de-halogenated. In addition, continuous feed of halogens promotes formation of undesirable by-products such as trihalomethanes (THMs), total organic halides (TOX), and absorbable halogenated organics (AOX). Since Spectrus CT1304 is not an oxidizer, it does not produce these compounds.

### treatment and feeding requirements

Correct treatment levels and frequency of Spectrus CT1304 addition depend on many factors. These include, but are not limited to, degree of infestation, type of mollusc, temperature, system retention time, and discharge environment.



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Heavy infestations of molluscs should be physically removed by vacuuming, dredging, or scraping prior to treatment. Consult your SUEZ representative for technical advice on your specific application.

**Feed point** - Apply Spectrus CT1304 to a point in the system where turbulence and flow patterns assure good mixing with the water being treated.

**Dilution** - This product is best fed neat (undiluted) from the storage container.

**Feed Equipment** – Spectrus CT1304 is compatible with 316 stainless steel, copper alloy, and the most common plastic and rubber. Avoid the use of carbon steel, 304 stainless steel, nylon and other materials. SUEZ can provide the complete description on the selection of dosing equipment.

### general properties

Physical properties of Spectrus CT1304 are shown on the Safety Data Sheet (SDS), a copy of which is available on request.

### packaging information

The product is a liquid, available in different specifications of packaging per the needs of the site.

### storage

Store in a cool, ventilated, and dry place. Protect from extreme temperatures and freezing. Keep containers closed when not in use. Store away from kindling material.