Red Tide Control

PRODUCT DATA SHEET

ECO-SAFE

An environmentally safe countermeasure for Red Tide

Red Tide is a blanket of red algae that can gather on coastlines, beaches and open water that is caused by a massive explosion of algae reproduction and growth. This growth is triggered by warmer water temperatures and a readily available food source. One of the common causes of Red Tide is fertilizer and chemical runoff into streams and rivers and ultimately the ocean. This causes the ocean waters to become fertile environments that can feed rapid algae growth.

Under these conditions, algae populations can become so high that the water can become toxic and the sheer number of algae can physically clog water intake pipes and filtration screens on factories and desalination plants.

Algae populations can become so dense that they can block sunlight from traveling deeper into the water to other plant and animal life that depends on that light to maintain life functions. Without the natural light, plant and animal life must either move to another area with more light or die.

There are many other forms of algae that live in colder ocean climates as well as in freshwater lakes and ponds. These algae can be problematic in those environments as well.

A dramatic "Red Tide" algae bloom at Leigh, near Cape Rodney, New Zealand. New Zealand's National Institute of Water and Atmospheric Research. Photo by M. Godfrey.

Proven Safe for Marine Life

EcoSafe Red Tide Control is a unique, proprietary formulation of all natural and non-toxic ingredients. The active ingredient has been used for environmental remediation for 30+ years and has a list of registrations and certifications to attest to its safety for marine life.

Laboratory testing & field sample testing done in salt and fresh water in multiple sites in the USA and the Persian Gulf (2021) confirmed that ***EcoSafe Red Tide Control*** is effective with multiple varieties of algae that cause Harmful Algae Bloom including "RedTide".
EcoSafe "Red Tide Control" works against Harmful Algae Blooms (HAB) in two ways. First, it attacks the algae itself and secondly, it breaks down much of the organic matter and chemicals that the algae feed upon.

Direct Algae control - Eco-Safe Red Tide / Algae Control can effectively be sprayed (with various methods) onto bodies of water with a high algae content. The strong colloidal action of the all natural, non toxic formulation will penetrate the very thin cellulose cell wall of the algae and shred it. This thin cellulose cell wall is the only thing that protects algae from the outside environment and elements. Once this wall is shredded or breached, the algae falls apart and dies.

Attacks the Algae Food Source - Algae that cause Red Tide and other HBAs feed on chemicals and organic compounds that accumulate in the water. The problem occurs when excessive amounts of these organic chemicals either runoff or are directly discharged into the water supply from agricultural and industrial operations. The chemicals become concentrated and turn the water into a liquid fertilizer that the algae feed upon. EcoSafe Red Tide Control helps control HBA's by breaking down some of the organic chemicals that algae feed upon. These chemicals then harmlessly bioremediate into the environment without becoming a liquid fertilizer for algae growth.

EcoSafe / EcoProven Technology Approvals & Certifications

- Water Sense Certified
- CSA Sustainability Certified
- UL Green Guard Certified
- Green Seal Certified
- National Contingency Plan registered
- Approved & Used by United States Navy
- Approved & Used by United States Postal Service
- Approved by United States Dept. of Agriculture

Global Eco Products www.redtidecontrol.com 1-213-263-0448

Physical Properties

Physical State:	Liquid at 70 F	pH:	10.4 NEAT (in concentrate)
Color:	Blue	Foaming:	Extremely low foaming
Odor:	None	Viscosity:	@20c > 225 - 375 (290 avg) cps
Taste:	None	Pounds per gallon:	8.52
Flashpoint:	None at 212 F	Specific Gravity:	1.029
Freezing Point:	32 F	Effective Period:	can be active for hours

- No special handling / storage procedures are needed
- Protect from temperatures below 32 F and above 90 F

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