

OSC 92LI500 Magnesium origin environmental improvement agent "MINERAL OCEAN"

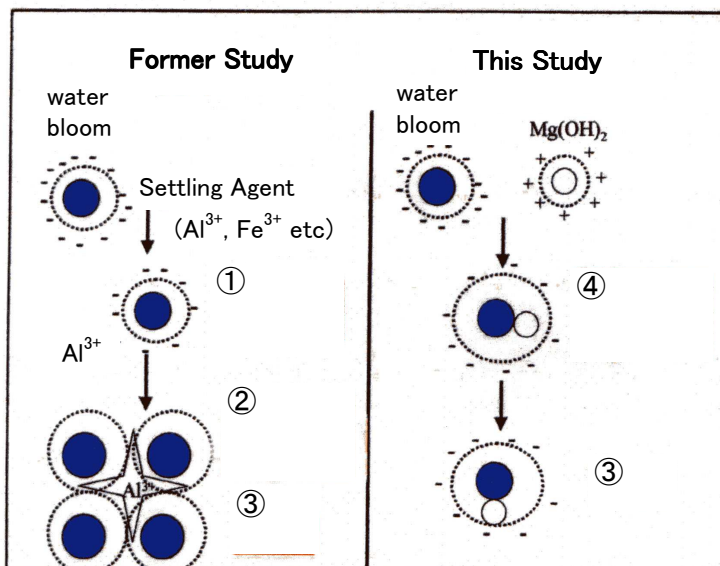
1 ton of MINERAL OCEAN is produced from 400 tons of seawater, magnesium and trace minerals are extracted from natural seawater which is friendly to nature and living things

<Features>

- Removal of toxic water bloom
 - Sufficient for toxic water bloom as an instantaneous settling agent
 - Suppress growth and enhances natural cleansing function
- Continuous improvement in the quality of the ocean floor by the activation of aerobic bacteria
 - The medium of most minerals needed for microorganisms, aerobic bacteria will be activated, leaves, plankton food residue, manure and rotting due to volume, which promote the decomposition of organic sludge
- Anti odor by maintaining mild alkaline environment
 - Suppress growth of sulfide reducing bacteria and suppress generation of hydrogen sulfide, source of odor, and phosphorus leaching
- Countermeasure against heat island, global warming
(permeability water retention soil originated pavement material)
 - Recovers the natural environment, suppresses pathogen, gives vitality and energy to fish

Model	Purpose of use	Type	quantity of use
OSC 92LI500-1	fresh water sludge improvement	minute particles	300g/m ²
OSC 92LI500-2	fresh water sludge improvement	granule	200g/m ²
OSC 92LI500-3	removal of bloom (like microcystis)	powder	200g/m ²
OSC 92LI500-4	removal of odor (Building pit)	powder	1000g/m ²
		gravel	1000g/m ²
		granule	1000g/m ²

Water bloom sedimentation decomposition mechanism



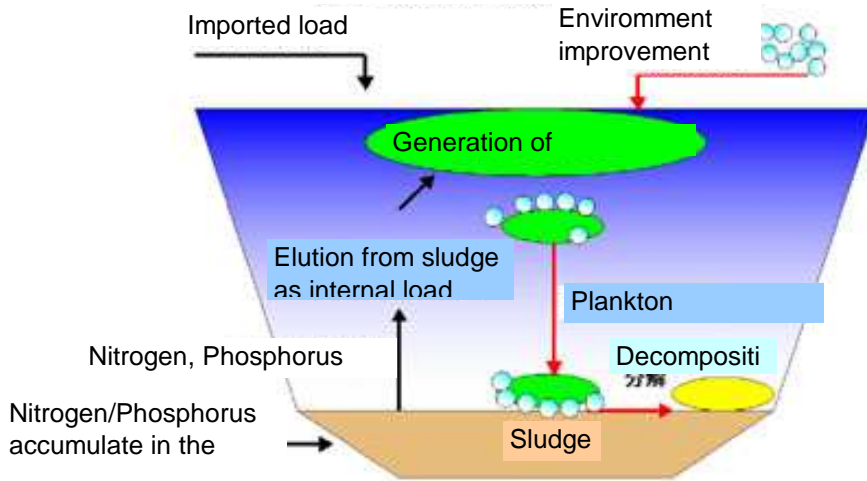
The mechanism of water bloom sedimentation decomposition is supposed that this is not like usual sedimentation agent which neutralize the electric charge to settle generating flocculation but Mg(OH)₂ condensation adheres to water bloom to increase specific gravity and water bloom settles.

The decomposition rate, indexing chlorophyll a of settled water bloom is 52.8% when sludge does not exist and 95.9% when it exists, about 1.8 times.

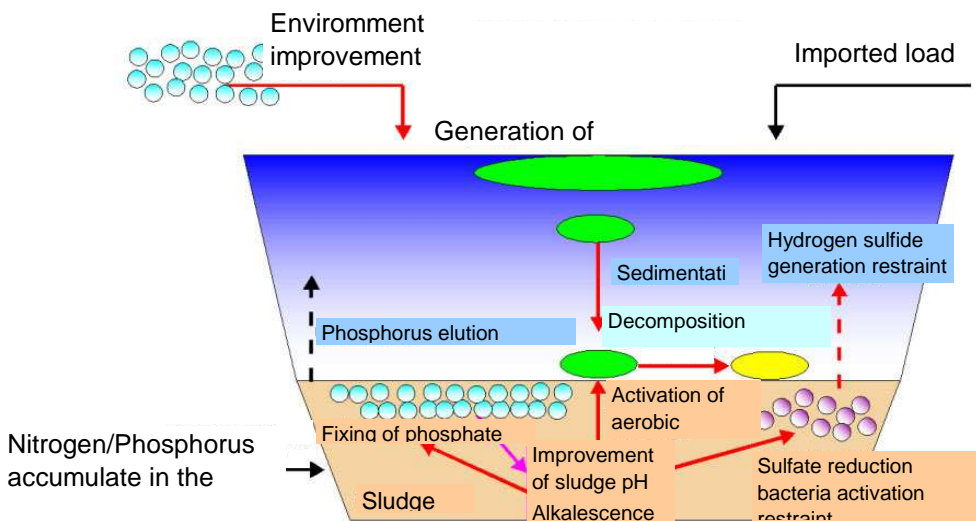
- ① : Neutralization of surface electric charge
- ② : Increase of specific gravity by flocculation
- ③ : Settlement
- ④ : Increase of specific gravity by adhesion of static electricity

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Mechanism of phytoplankton sedimentation decomposition



Sludge improvement mechanism



MINERAL OCEAN

