Inorganic water purifier

Recovery Co., Ltd.

Inorganic flocculant（TREAT®）

A flocculant with excellent flocculating effect.

Product Summary

TREAT® coagulates and precipitates fine suspended solids in wastewater in a short period of time.

Product name: TREAT®

Appearance: white or gray powder

Solubility: dissolves in water

pH Range: Can be used in the range of 4 to 11

Flash point: non-flammable

Packing: 20 kg in a bag (separately prepared for testing)

Features :

Strong cohesion	Wide processing range
Wide pH range of water to be treated	No alkaline adjuvant required
Does not affect the pH of raw water	Flock formation is quick and large
Easy disposal after floc dehydration	Made with safe ingredients
Easy to store and move as it is a powder	

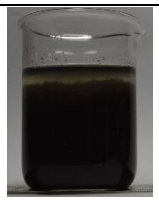
How To Use :

Add TREAT® as a powder directly to wastewater, stir, and let stand.

			
TREAT® Addition	Stirring	Stillness	Completion Remove Aggregates

It is an indispensable agent for wastewater treatment, with the ability to promote separation and dewatering by coagulating fine suspended particles floating in wastewater to form large floc particles. The optimum amount to add will be determined through preliminary testing. (For example, in natural systems such as ponds where blue-green algae occurs, it is about 50 to 100 PPM. For industrial wastewater, more than that is required. Also, it may vary depending on the stirring method, water temperature, etc.)

Example of use :

Food Factory Drainage				Waste water from a food factory was collected and treated. After solid-liquid separation using a flocculant, we performed deodorization and flotation separation using our proprietary system. BOD, total nitrogen, total phosphorus, and odor were significantly improved.
Material	Before	After		
BOD	75mg/L	ND[1]		
T - P	4 mg/L	ND		
T - N	9 mg/L	ND		
Odor	Bad smell	Slight		

Ferrite Factory				Removal of substances using a unique treatment process using [TREAT®]. We collected wastewater from a ferrite manufacturing factory and conducted tests.The main target is Mn removal. These are just examples of processing, and we will handle each case on a case-by-case basis.
Material	Before mg/L	After mg/L		
soluble Mn	1800	0.44		
BOD	120<	7.3l		
COD	120<	27		
SS	30000	3		
soluble Fe	260	2>		
N	60<	8.6		
P	16<	0.054		

It also corresponds to /COD / Heavy Metal / As/Blue-Green Algae / Others.

We can design according to your needs. Please feel free to contact us first.

[1] ND indicates below the detection limit.

Reference :

Videos are also posted on YouTube. Please view from the QR code below.

Content	Address/Contents	QR code
Home Page	https://www.go-recovery.com This is the homepage of Recovery Co., Ltd.	

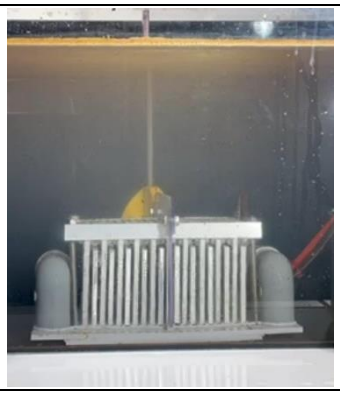
QR code	Address/Contents	Content
	https://www.youtube.com/@recovery-treat2	Youtube

Our own processing method

Deodorization and flotation separation method using electrolysis.

It has been confirmed that the microbubbles generated by a special electrolysis device developed by our company decompose hydrogen sulfide and other substances in water, eliminating the source of bad odors.

In comparison with the activated sludge method, it was confirmed that it has the following advantages: No need to manage microorganisms, no need for a large site, shortened processing time, and ability to prevent bad odors.

	
At the start	Upon Completion
We generate microbubbles using an electrolytic device developed by our company. The rising air bubbles also generate convection within the tank, allowing suspended matter remaining at the bottom to rise to the surface.	Suspended substances in water are pushed up by microscopic bubbles and deposited on the water surface. The odor-causing substance was oxygen generated by electrolysis, and the odor could be reduced to a slight degree.

For inquiries about flocculants and wastewater treatment, please contact us here.

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