

Coagulant aids agent EAC-50

高分子凝集助劑 EAC-50



Most of the traditional wastewater flocculation treatment uses PAC and PAM as the main agents. Due to the difference of wastewater from different industries, the amount of sludge added is often too large, resulting in high cost of sludge treatment.

In view of this, our company has developed this polymeric high-efficiency coagulant aids agent EAC-50, which has a high-efficiency coagulation effect.

It can be used together with PAC and PAM in the system without water recovery, which can significantly reduce the usage of PAC and PAM by more than 50%; and the settling speed is faster; the wastewater decolorization transparency is higher; and the sludge generation and sludge treatment cost can be greatly reduced.

In the system that requires water recovery, EAC-NN (Multipurpose & Oil-water separating agent) can be used in combination with PAC/PAM to achieve rapid sedimentation and decolorization effect without PAC/PAM, and less sludge can be produced to avoid membrane blockage. It is especially effective for plating wastewater containing oil and grease or wastewater from cutting and de-filming industries.

従来の排水凝集処理では、PACやPAMを主剤として使用するものがほとんどでした。業種による排水の違いから、汚泥の添加量が多くなり、汚泥処理にかかるコストが高くなることが多いです。

そこで当社は、この高分子系高効率凝集助劑「EAC-50」を開発しました。

水回収のないシステムでPACやPAMと併用することで、PACやPAMの使用量を50%以上と大幅に削減でき、沈降速度が速く、排水の脱色透明度が高く、汚泥発生量や汚泥処理費用を大幅に削減することができます。

水回収が必要なシステムでは、EAC-NN（多目的・油水分離剤）をPAC/PAMと併用することで、PAC/PAMなしで急速沈降と脱色効果が得られ、膜閉塞を避けるためスラッジの発生を少なくすることが可能です。特に油脂分を含むメッキ廃液や、切削・脱膜産業からの廃液に有効です。

Physical properties

物性

- Appearance: light yellowish liquid
外觀 淡黄色液体
- Composition: Water soluble polymer
主成分 水溶性高分子材料
- pH value: 7.8-8.7
pH値
- Solubility: Soluble in water
溶解性 水に可溶
- Stability: Very Stable
安定性 非常安定

- Volatility: Not easily volatile
揮発度 揮発しにくい

Characteristics / Features

特性・特徴

- It has a good coagulation aid and decolorizing effect and provides flocculation stability.
凝集助剤、脱色効果に優れ、凝集安定性を発揮します。
It provides excellent synergy with PAC & PAM.
- It helps to increase the precipitation rate.
PAC&PAM と優れた相乗効果を発揮します。
析出速度を高めることができます。
- It helps to reduce the dosage of PAC & PAM by at least 50%.
PAC&PAM の投与量を 50%以上削減することができます。
- It can reduce the sludge volume by at least 50%
汚泥量を 50%以上削減することができます。
- It can be used as a sludge dewatering agent to reduce water content and volume.
汚泥の脱水剤としても使用でき、含水率や体積を減らすことができます。
- It has the function of PH regulator to reduce the subsequent adjustment of alkali.
その後のアルカリの調整を軽減する PH レギュレーターの機能を備えています。
- The product is environmentally friendly type, biodegradable.
生分解性のある環境対応型です。

Application

使用方法

1. The general dosage is EAC-50 approximately 0.3~0.5Kg to 1-ton wastewater.
一般的な使用量は、排水 1 トンに対して EAC-50 を約 0.3~0.5Kg です。
2. Used as flocculation treatment with PAC/PAM: (in chemical pool treatment).
It can reduce 60~80% of the amount of chemicals used, or even less.
(Depending on the site conditions)
The amount of sludge can be greatly reduced, more than 50%.
PAC/PAM による凝集処理として使用：（化学プール処理において）。
薬品の使用量を 60~80%、あるいはそれ以下に抑えることができます。
(現場の状況により異なります)
汚泥の量を 50%以上と大幅に削減できる。
3. For sludge dewatering treatment: (at sludge tank)
The recommended dosage is 0.2~0.5/Ton.
Add the EAC-50 and then for the dewatering process.
The dosage can be adjusted according to the situation.
汚泥脱水処理用：（汚泥槽にて）。

推奨量は 0.2~0.5/トンです。
EAC-50 を添加し、脱水処理に使用します。
投与量は、状況に応じて調整することができます。

Remark:

When used in combination with other chemicals, the drums should be dosed separately.
This dosage is based on experience and should be adjusted by each manufacturer depending on the water condition. (Please contact Gracess for consultation if necessary.)

備考：

他の薬品と組み合わせて使用する場合、ドラム缶は別々に投薬することをお勧めします。
この投与量は経験に基づくものであり、水の状態に応じて各メーカーで調整する必要があります。
(必要な場合はグレイセス社にご相談ください)

Package

梱包仕様

- 30Kg or 120Kg / plastic drum (ドラム)

LIMITED WARRANTY INFORMATION - PLEASE READ BEFORE ANY APPLICATION:

- The data presented in this brochure are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt.
- We reserve the right to alter product constants within the scope of technical progress or new developments.
- The recommendations made in this brochure should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used.
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- Our sole warranty is that our products will meet the sales specifications in effect at the time of shipment.