



The suspense of suspended animation

Introduction

Tattva CLAIRE FONTAINE[®] Milk of Lime (MOL) is an alternative to alum, caustic soda and other low reactive types of milk of lime - be it quick lime or hydrated lime.

Tattva CLAIRE FONTAINE[®] MOL is a concentrated, *highly reactive milk of lime for effective neutralization and precipitation of wastewater.*

Key to the technology is in keeping it in suspended animation. It involves ensuring that it is a free-flowing product that maintains a homogenous suspension in ***unstirred storage conditions.***

Technology involves a combination of various parameters like right selection of grade of materials and specialised processes to manufacture it to ensure that is kept in suspended animation.

Advantages

Process Efficiency:

Combination of faster neutralisation (Ph control) as well as quicker precipitation. No need for powdered mixing dosing systems. Direct MOL dosing is adequate as it saves time for the operator.

Reduces consumables cost:

Consumables cost are reduced due to lower quantities of MOL required, besides lower frequency of dosing

Safety Risk:

No need to doze lime or alum or caustic soda in powder form and mix with water. No need for agitators to do the mixing. There is safety risk of handling for the operators of MOL as it is non-corrosive and is not classified as a dangerous good.



Storage Risk:

Due to low viscosity and stable rheology profile, it is stable in storage and has a longer shelf life without settling for a period of time in unstirred conditions.

Clogging Risks:

As it is a free-flowing product that maintains a homogenous suspension in unstirred storage conditions, clogging of pipelines and equipments are minimised as it leaves no residues.

Better dewatering:

Sludge separation is efficient and ensures faster settling and better dewatering of precipitated sludge and hence results in better valorization of waste streams.

Sludge quantities:

With reduced flocculation dosages, sludge quantities generated is much lower (about 20-30%) compared to others and eases environmental burden on sludge handling and reduces disposal costs.

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