



Catalysts
making things happen...

Catfloc-R

Catfloc-R is a high performance, high molecular weight, granulated free flowing, anionic Flocculant in dry solid form. Catfloc-R is of a medium anionic charge density which is completely miscible with water producing relatively high viscosity solution for various applications. The product is formulated for use in industrial process of sugar refineries.

Catfloc-R is ideal for use in mechanical dewatering, gravity settling, as a coagulant aid, water clarification, floatation, filtration, phosphate removal and as an aid in Dissolved Air Flotation (DAF).

Catfloc-R has an ability to bridge together particles suspended in solution by an adsorption process. Polymers of Catfloc-R often have electrostatic charges that allow for surface particle neutralization resulting in flocculation.

Catfloc-R creates reversible covalent bonds between particle surfaces allowing the particle to gain size and mass. Addition of Catfloc-R can effectively reduce fluid friction in a pipe. The product is also used to thicken a variety of sludge's in both neutral and acidic conditions.

PRIMARY BENEFICIARY FUNCTION

- Ø High performance
- Ø High molecular weight
- Ø Effective over wide pH range
- Ø Efficient phosphate removal
- Ø Reduces need for inorganic salts
- Ø Achieves high solids removal
- Ø Improves clarification settling
- Ø Excellent for use in wastewater and effluent treatment applications
- Ø Improves solid liquid separation in dewatering, floatation, filtration and thickening applications
- Ø Economical to use

PRODUCT APPLICATION

Catfloc-R is used to flocculate solids in liquids. It is used for raw sugar syrup/melt treatment. The product is widely used in sugar refineries.

PRODUCT CHARACTERISTICS

| | |
|---------------------|--------------------------------------|
| Appearance | Granulated free flowing white powder |
| Color | White |
| Odour | Characteristic |
| pH (0.2 % Sol) | 6.5 - 8.5 |
| Solubility in water | Completely miscible |
| Ionic nature | Anionic |

PRODUCT DOSING

Actual dosages depend upon Total suspended solid content present in the system. Usually, it is recommended to perform plant trials and lab trials.

PRODUCT OPERATING PARAMETERS

Temperature 30-100 °C
pH 4-9

PACKAGING

HDPE 25.0 Kg

PRODUCT STORAGE

Recommended storage temperature is below 35° C (95° F).

PRODUCT HANDLING

Catfloc-R is not expected to be toxic, but it should be handled using protective clothing, facemask, safety goggles, shoes and gloves.

Observe all normal procedures for handling industrial chemicals.

Handle in a well-ventilated area.

Avoid dust formation.

Do not breathe dust.

Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.

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