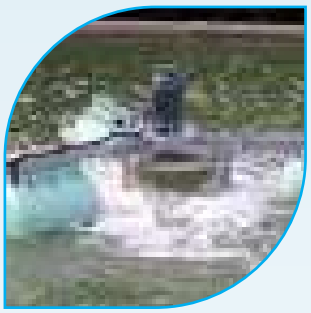
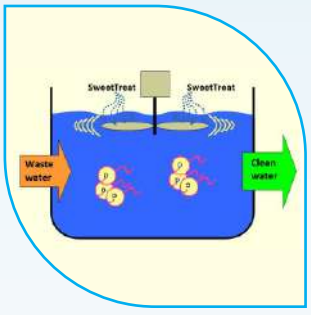
Catalysts

making things happen...

SweetTreat

SweetTreatuses a unique formulation of broad-spectrum advanced oxidizing agents. The formulation has been designed and developed for treatment and COD reduction ofsugar mill process condensate and similar wastewaters.





Primary Beneficiary Functions

- Reduces the concentration of organic compounds (COD) of the water
- Helps to completely recycle the water and to reduce the load on RO

Secondary Beneficial Functions

- Reduces turbidity, odor and suspended solids of the sugar mill condensate
- Reduces the microbial contamination in the water

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Mode of Action

- Sweet Treat is based on advanced oxidation technology which oxidizes organic compounds such as phenolic compounds, carbohydrates, volatile acids, etc. and in organics such as sulphides.
- The unique components present in Sweet Treat undergoes spontaneousre actions in the water to release powerful, non-selective oxidizing radical ions
- The process may also result in the formation of flocs (if the water has high suspended solids) which can be easily separated from the treated water leaving behind a clear, less turbidity water
- Sweet Treat formula can be customized according to the process requirement and for better performance

Product Application

- Sweet Treat process consists of two products Sweet Treat A and Sweet Treat B.
- It is important that the water must be retained in a holding tank of suitable volume along with mixing or aeration for at least 2-3 hours for best outcomes.
- The products can be directly mixed with the water to be treated at the optimized dosage.
- The process works best for wastewater having pH between 3-6; but can work up to 8 pH.
- Specially formulated for treatment (COD reduction) of sugar mill process condensate

Product Characteristics

- Composition - Combination of inorganic catalyst and oxidizing agents
- Appearance - Sweet Treat A- Pale brown powder; Sweet Treat B- Coloures liquid
- Odour - Sweet Treat A- Slight pungent; Swee Treat B- No odour

Dosing Conditions

- Temperature - 20 -50 °C
- pH - 3 to7

Dosage

- Dosage values depends on the characteristics of the water to be treated
- Combined dosage in ranges between 50-100 ppm which can be optimized for the target water and characteristics
- Typical dose ratio – Sweet Treat A – 10 ppm, Swee Treat B – 90 ppm.

Product Storage Conditions

- Sweet Treat should be stored in a tightly closed container until use in a cool (below 30 °C), dry, well-ventilated area.
- The products are stable for several months if stored properly.

Product Handing

- Use all PPEs (gloves, masks, goggles etc.) while handling. Use with adequate ventilation to minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Wash thoroughly with water in case of any contact.

Keep container tightly closed. Avoid ingestion and inhalation.

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