

# CAT B NEUTRAL



**Cat B Neutral** is a unique pH enhancing and buffering formulation, specially designed and developed to augment the SweetTreat condensate treatment process in sugar mills and for maintaining the pH of the water. It can also be used to maintain the pH of spray ponds, cooling towers and other suitable applications.

## BENEFICIARY FUNCTIONS

- Helps to neutralize pH efficiently
- Buffers the water around 7 pH, preventing sudden changes in pH
- 5 -6 times more soluble in comparison to lime
- Reduces precipitate and scale formation
- Enhances the effect of flocculation process
- Reduces COD, BOD, turbidity, hardness, microbial and algae growth
- Prevents accumulation of sulphides in the water due to microbial activity
- Helps to increase dissolved oxygen and preventing anaerobic conditions

## PRODUCT APPLICATION

**Cat B Neutral** can be used as an alternative to lime or caustic soda for neutralizing maintaining the pH in the desired range and for preventing algae, biofilm growth. The following are the suitable application areas

- To augment SweetTreat treatment of excess process condensate, for complete neutralization
- For maintaining the pH of lagoons, cooling towers tanks, condensate collection tanks, reservoirs, equalization tanks, post and pre filtration etc.

**Cat B Neutral** can be directly mixed with the water to be treated or by making a solution in water.

## OPTIMUM WORKING CONDITIONS

- Temperature: 30 to 60 °C
- pH: 5 to 6

## DOSAGE

Dosage depends on the pH of water to be treated which can be determined and optimized by testing the water/condensate parameters in lab

## PRODUCT CHARACTERISTICS

- |                              |   |
|------------------------------|---|
| • Product Composition:       | A novel combination of oxidizing agents proprietary ingredients |
| • Appearance:                | White granular powder   |
| • Odour:                     | Detergent like odour  |
| • Bulk Density:              | $0.9 \pm 0.1 \text{ g/cm}^3$                                    |
| • pH of 0.5% solution @20°C: | >10.5   |

# CAT B NEUTRAL



**Catalysts**

*making things happen...*

ISO 9001:2015 Certified

FSSC 22000 Certified



## PACKAGING

The standard packaging comes in 25.0 kg moisture resistant bags/HDPE containers

## PRODUCT STORAGE

The product is stable for more than 12 months when stored at 30°C with proper ventilation under dry and covered conditions in tightly closed containers.

## PRODUCT HANDLING

- Use of PPEs (gloves, masks, goggles) while handling is highly recommended as product is slightly oxidizing in nature.
- Avoid contact with eyes, skin, and clothing. Use adequate ventilation to keep airborne concentrations low.
- Wash thoroughly with water and soap in case if any contact.
- Keep container tightly closed. Avoid ingestion and inhalation.
- Keep the product away from contact with water, moist air and steam. Keep in a dry, cool and covered place only.
- MSDS is supplied with the product. Please follow MSDS safety instructions for more details.

## CATALYSTS BIO-TECHNOLOGIES PVT. LTD.

📍 240, IInd Floor, Functional Industrial Estate, Patparganj, Delhi-110092, India

✉ info@thecatalystsgroup.com

🌐 www.thecatalystsgroup.com

☎ +91 11 4986 7313

☎ +91 11 4986 7314