

Hydrex™ 6035

Data Sheet

Sulfide Odor Control Product for Wastewater Systems

Description and Use

Bacteria present in wastewater collection networks produce hydrogen sulfide gas, which results in odor and infrastructure deterioration. Bacteria first consume oxygen in the form of readily available dissolved oxygen, then consume bound oxygen in the form of nitrate (NO₃). It is the biological reduction of sulfate that produces hydrogen sulfide which results in significant odor generation and causes rapid corrosion of the infrastructure.

Adding nitrates to wastewater collection systems prevents sulfide generation in wastewater, thereby minimizing or avoiding odor and corrosion issues entirely. Hydrex 6035 is a calcium nitrate product which is easy to handle and economical for point-of-use feed systems.

Advantages

- Economical Odor and Corrosion Control
- Extended infrastructure life
- No problematic byproducts
- Reduced BOD levels
- Stable formulation that will not settle or precipitate
- DOT Non-hazardous per 49 CFR 172.102 special provision 34

Application Information

Hydrex 6035 should be fed straight. No dilution or preparation is required. A diaphragm metering pump is preferred for dosing.

Hydrex 6035 dosage is a function of the specific characteristics to each application. Please consult with your Veolia representative for proper dosage for your applications.

Specifications

Physical form: : Liquid
Specific Gravity (SG): : 1.39 - 1.48 g/ml
Freezing point: : 30°F / -1°C
Boiling point: : 214° / 101°C
Odor: : None
Color: : Colorless
Product pH: : 5.0 - 8.0
Bulk Density: : 11.5 - 12.5 lbs/gal (1.4 Kg/L)

Materials Compatibility

For wetted pump/piping parts, suitable materials of construction:
HDPE, PVC, Polypropylene, FRP, 304 SS, Nitrile, EDPM

Packaging - Handling

Hydrex 6035 is available in:
Bulk, IBC totes and smaller quantities upon request.
Protect from freezing temperatures.

Safety Information

Hydrex 6035 has a variable pH level which can be shipped as slightly acidic to slightly alkaline. Please refer to the (M)SDS for further safety information including required Personal Protective Equipment.