

Technical Data Sheet

aulickchemical.com

ODO-SOL - Increasing H₂S Solubility, Decreasing H₂S Odor & Corrosion

Understanding Hydrogen Sulfide

Hydrogen sulfide presents many issues in wastewater treatment today. The issue, however, is not in the wastewater, it's in the air. A serious problem with hydrogen sulfide is corrosion. No one wants corrosion issues affecting community infrastructure. When monitoring corrosion in the wastewater collection system, it's understood that it exists above the water line and never below it, even though hydrogen sulfide exists in both air and water. This can be seen in wet wells, headworks, and on the pipe walls of force mains or in gravity sewer systems.

Corrosion occurs when hydrogen sulfide becomes airborne. Thiobacillus bacteria will consume the hydrogen sulfide and release it as sulfuric acid. In a wet well or headworks, the acid condensate will run down the walls and eat away at the concrete. In a collection system pipe, the sulfuric acid will concentrate as droplets at the crown of the pipe. When replacing a corroded pipe, one will always notice the corrosion is greatest at the crown of the pipe.



Specifications

- Specific gravity: 1.2781
- pH: 12 - 14
- Freezing point: -26
- Bulk density: 10.659354 (lb/gal)



Applications

- Lift Stations
- Manholes
- Headworks
- Sludge Holding Tank
- Industrial Pretreatment



Availability

ODO-SOL is available in 5 gallon pails, 55 gallon drums, 330 gallon totes and bulk quantities.

Aulick Chemical Solutions
111 Patton Ct.
Nicholasville, KY 40356
859.881.5422

AULICK

