



CHEMICAL  
SOLUTIONS

# Technical Data Sheet

CitcoWater.com



## Nitra-Nox

### Odor Control for Hydrogen Sulfide Prevention

Odor/corrosion control and hydrogen sulfide prevention represent a challenging problem facing the wastewater industry. In developing Nitra-Nox, CITCO Water combined the chemistry of hydrogen sulfide encapsulation and prevention to maximize chemical performance. Nitra-Nox chemistry is a decades-long, proven solution used to prevent the production of hydrogen sulfide in municipal collection system wastewater. Nitra-Nox is cost-effective and prevents corrosion to Utility infrastructure from untreated hydrogen sulfide.

Hydrogen sulfide is produced when the anaerobic bacteria feeds on sulfates. Nitra-Nox provides an alternative oxygen source, preventing future production of hydrogen sulfide. In certain applications, encapsulation technology allows Nitra-Nox to be fed where hydrogen sulfide is already present.



### Optimization

Odor control is not a one-size-fits all science. CITCO Water provides complete collection system evaluations to first identify the location and source of odors followed by concentration through liquid and gas phase testing. This assessment is preceded by chemical feed system installation, program performance evaluation, and reporting.



#### Benefits

- Doesn't effect water pH
- Prevents odor & corrosion
- Reduces BOD
- Non-hazardous



#### Applications

- Municipal wastewater
- Industrial wastewater
- Collection Systems
- Where H<sub>2</sub>S is present



#### Availability

Nitra-Nox is available in bulk tanker quantities, 330-gallon totes, and 55-gallon drums.



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