



# TOR-H<sub>2</sub>OX

## TOP OF RAIL FRICTION MODIFIER

**TOR-H<sub>2</sub>OX** is ideal for railroads looking for the benefits of both water based and traditional synthetic based friction modifiers. This hybrid top of rail friction modifier provides exceptional fuel savings, reduces noise, and extends wheel and rail life.

**TOR-H<sub>2</sub>OX** is a non-cavating material that has a 4–6 mile (6–10 km) carry distance. This allows the applicator units to be spaced approximately 8 miles (13 km) apart in bi-directional traffic, requiring fewer wayside units. This friction modifier can be used with any wayside top of rail friction management equipment.

### Product Specifications

Boiling Point	>212°F (>100°C)
Specific Gravity	1.11 - 1.17 (Kg/Liter)
Weight per Gallon (US)	9.24 - 9.75 pounds/gallon (US)
Viscosity	> 500 cst @ 22°C
Appearance	Viscous, dark grey to black liquid
Odor	None
Solubility in Water	Miscible in water
Incompatibilites	Oxidizing materials, acids, alkali metal hydrides, and zirconium
Flamibility	Non-flammable, non-combustible
Stability	Stable under normal handling conditions
Corrosive	Non-corrosive

### BENEFITS AT A GLANCE

- Doesn't clog bars, works in extreme temperatures, and doesn't need to be mixed.
- Non-corrosive, doesn't damage tie plates/spikes.
- Requires 33%-50% less modifier than conventional TOR friction modifiers
- Has an increased carry of 4-6 miles (6-10 km) calling for less units, less modifier, and greater ROI

To order Loram Technologies' TOR-H<sub>2</sub>OX or on developing a tailored Friction Management system for your railroad, contact Loram Technologies at **512-869-1542** or visit **LORAM.COM**