

ECORAIL TOP-OF-RAIL FRICTION MODIFIER

Railmark
Friction Modifier

Water-based
Friction Modifier

Petroleum-based
Friction Modifier

Product base	Crop Oils	Water	Petroleum
Container sizes	5 gal 55 gal 275 gal	5 gal	5 gal 55 gal 275 gal
Flammable	No	No	Yes
Odor	None	None	Yes
Freezing point (°C)	-25	-6	-25
Viscosity, cP @ 25°C	900-1000	825-1100	600-700
Meets EPA's "EPP"	Yes	No	No
USDA "BioPreferred"	Yes	No	No
Biobased labeled	Yes	No	No

Available in:

- **5-Gallon Plastic Pails**
(Item #12090)
- **55-Gallon Metal Drums**
(Item #12091)
- **275-Gallon Plastic Totes**
(Item #12092)
- **Solid Stick (all sizes)**
(Item #12080)

Contact us today
for a quote:
[customerservice@
railmark.com](mailto:customerservice@railmark.com)

www.railmark.com
www.ecorail.net



BIOBASED RAILROAD LUBRICANTS

Safe for the Railroad - Safe for the Environment

ECORail™ Products by Railmark Track Works

ECORail Top-of-Rail Friction Modifier is environmentally safe while providing greater performance than water-based or petroleum-based products. Railmark's ECORail Top-of-Rail Friction Modifier has a naturally higher viscosity index creating a more temperature stable product, as well as offering a naturally higher thin film strength.

Due to their polarity, vegetable oil molecules adhere better to metal surfaces than mineral oils, thus requiring fewer chemical additives. The result is that ECORail Top-of-Rail Friction Modifier withstands pressure better and is less likely to thin out at higher temperatures.

ECORail biobased railroad lubricants and fluids include Universal Switch Lubricants, Frigid Climate Switch Lubricants, Top of Rail Friction Modifiers, Solid Stick Lubricants, ISO 32 & ISO 46 Hydraulic Oils, and Universal Tractor Hydraulic Fluids. Railmark has been offering its ECORail biobased rail products to railroads and rail users along with Railmark's customized lubrication maintenance programs since 2012.

PRODUCT STRENGTHS

- Extends the life of rail (railhead).
- Extends the life of equipment (wheel tread).
- Increases fuel efficiency.
- Reduces harmful effects of lateral forces.
- Decreases derailment potential.
- Reduces noise.
- Increases rail grinding intervals.
- Higher viscosity index. Its base oils are 50% higher (900-1000) than petroleum-based oils (600-700), providing more stable viscosity at different temperatures and a wider range of operation.
- Meets U.S. Environmental Protection Agency's (EPA) "Environmental Preferable Purchasing (EPP)" criteria and is a U.S. Department of Agriculture (USDA) "BioPreferred™" product and is "Biobased Labeled".
- Contains no heavy metals, no chlorine and no harsh odors.

RAILMARK TRACK WORKS



A Railmark Company