



THE BIORESPONSIBLE RAIL CURVE LUBRICANT. BIORAIL® EP



BioRail® EP, a biodegradable rail curve lubricant, proves that you don't have to compromise performance in order to be environmentally responsible. BioRail EP has proven itself, not only in the laboratory, but where it counts-on the rail. Its stable chemistry ensures that it pumps in the coldest climates and stands up at the wiping bar in all weather conditions.

BioRail EP contains a calcium sulfonate thickener and is suitable for lubricating rail curves to protect the gauge face and wheel flanges. It can also be used in bearings and to lubricate wire ropes, particularly in ecologically sensitive areas.

ASTM#	Typical Characteristics			
	Grade	EP 1	EP 1.5	EP 2
D-2596	Four Ball EP, Weld Point, kg	500	500	500
D-2266	Four Ball Wear, Wear Scar, mm	0.60	0.68	0.68
	Ambient Temperature Range, Trackside applicator °F (°C)	-10° (-23°) to 80° (27°)	0° (-18°) to 113° (45°)	32° (0°) to >130° (>54°)
	Operational Temperature Range, On the rail °F (°C)	-30 (-35) to 175 (80)	-27 (-33) to 185 (85)	-22 (-30) to 195 (90)

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

Packaging: Drums, Kegs, Pails w/Liners, Shuttle Tanks, Non-returnable Totes

• **Biodegradable**

Available in three grades, all of which pass the OECD 301B test for biodegradability and are classified as Readily Biodegradable.

• **Robust antiwear protection**

BioRail EP's unique soap thickener technology reduces rail wear.

• **All season pumpability**

BioRail EP's biodegradable base oils have low pour points resulting in better year round pumpability.

• **Eliminates plugged wiping bars & pump cavitation**

Unlike most vegetable-based greases, BioRail EP will not harden over time. Retained six year old samples are still like new.

• **Carry down**

BioRail EP has excellent track carry down, which reduces the number of wayside lubricators needed and lowers your costs.

• **USDA Certified**

Biobased, earned USDA BioPreferred designation

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