



Product Data Sheet



Enviroguard CurveRail 1

Superior Bio-based Curve Rail Grease

Enviroguard CurveRail 1 Grease is an innovative product specifically designed to minimize friction, reduce temperature, and prevent wear between wheel flange and rail especially on curve. This grease covers longer distance on rail track and forms protective layer that is water resistant and last longer. Its unique Lithium-Calcium type thickener provides the performance advantages on both lithium and calcium and makes this grease easily dispensable by rail lubricator and water resistant. This grease is fortified with a synergistic combination of the finest quality of solid and liquid performance additives thus exceeding the requirement of curve rail applications.

Enviroguard CurveRail 1 Grease is readily biodegradable, non-toxic, and heavy metal free thus safeguarding the environment while simultaneously matching/exceeding the performance level of mineral oil based curve rail greases.

Product Features:

- Biodegradable
- Lithium-Calcium type thickener
- Excellent water resistance
- Low toxicity
- Heavy Metal Free

Customer Benefits:

- Provides wide temperature operability (0 F -18C to 250 F 120C),
- It provides maximum pumpability in mechanical curve lubricators and provides long track coverage.
- Synergistic combination of solid lubricants and polymers provide superior film formation with reduced quantity of grease providing excellent wear and friction protection to the rail track and thus potential energy savings
- Lithium-calcium thickener provides greater resistance to water washout, better pumpability at low temperatures and a high dropping point assures outstanding performance over a wide range of weather conditions compared to the average curve grease.
- Superior storage stability and the oil will not separate from the grease minimizing plugging lubricators or lines.
- Lubricators require minimum adjustment because of the wider operating range.

Applications:

- Curve rail tracks, wheel flanges and other environmentally sensitive applications. It can also be used effectively for wire ropes and open gear applications as well.





Typical Properties

Enviroguard CurveRail 1 Grease

Product Number	906SB	Test Method
Color	Gray-Black	Visual
Thickener type	Lithium-Calcium	-
Texture	Smooth, Tacky	Visual
NLGI Grade	1	-
Viscosity @ 40°C, cSt	35.5	ASTM D445
Drop Point, °F	+ 350	ASTM D 2265
Worked Penetration	320-340	ASTM D 217
Four Ball Weld load , kg	500 kg	ASTM D 2596
Timken OK Load , Lbs.	55	ASTM D 2509
Water Spray off, % retained	60%	ASTM D 4049

*** also available in other NLGI Grades**

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

Health and Safety:

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Safety Data Sheet (SDS) found on our website. www.royalmfg.com or call (918)-584-2671.

Packaging options:



35 Lb. Pails



120 lb. Kegs



400 lb. Drums



2000/2400 Lb. Totes



>50,000 Lb. Bulk

