

RAIL

High performance, eco friendly
curved rail lubricant
Innovating for tomorrow



TECHNICAL DATA SHEET

Product code: D0094
Quality Standards:
ISO 9001:2015
ISO 14001: 2015
Issue Date—July 2020
Revision—01

ClareTech EcoCurve High Mobility #1

High performance all season environmentally sensitive curved rail grease for centralised lubrication systems requiring long pipe runs.
NLGI 0

Applications

Specially formulated to consistently pump long distances in all seasons through centralised curved lubrication systems.

It is also suitable for use with conventional trackside lubricators where GDUs need to be sited long distances from the lubricator. E.g. narrow tunnels or bridges.

Features and Benefits

- Unique shear thinning formulation ensures pumpability in the most difficult circumstances together with consistent lubricator output
- Excellent wear protection and extreme pressure properties in high load conditions, prolonging the life of the track
- Excellent corrosion protection to reduce corrosion defects
- Consistent performance in all seasons, eliminating the need for winter and summer grease changes
- Enhanced pumpability so lubricators can be positioned and maintained in a Position of Safety
- RS Clare's EcoCurve range incorporates breakthrough nanotechnology at the molecular level to increase stability, consistency and performance whilst minimising the needs for harmful chemical additives.

Typical Characteristics

Appearance	Visual	Smooth
Colour*	Visual	Yellow
Thickener Type		Complex
Temperature Range		-40°C to 120°C
Worked Penetration	IP 50	355-385
Oil Separation (40°C, 168hrs)	IP 121	<6%
4 Ball Wear Scar	IP 239	0.5mm
4 Ball Weld Load	IP 239	315kg
Copper Corrosion (100°C, 24hrs)	IP 122	1a

Base Oil Characteristics

Type		Ester
Kinematic Viscosity (40°C)	ASTM D445	45cSt
Flash Point	IP 34	>220°C
Pour Point	IP 15	-30°C
USA Environmentally Acceptable Lubricant		Yes

CZ / 027 / 003



* Note: The product will exhibit a slight change of colour after exposure to air. This is a normal and expected feature of the unique chemistry employed in this grease. This feature has been assessed as having no effect on the product performance.



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 **RS Clare & Co Ltd**
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