

# Product Data Sheet

## LP-10 Lithium EP Plus Grease™

Lithium Multi-Purpose Extreme-Pressure Lubricant

### General Information

- Extreme-pressure semi-solid lubricant
- Temperature operating range: 0°F to 275°F (- 17°C to 135°C)
- Cost effective
- NLGI No. 2  
(other grades may be available on request)
- Contains MPC's MT-10 Metal Treatment™ technology

LP-10 Lithium EP Plus Grease™ is a unique extreme-pressure lithium grease fortified with MPC's MT-10 Metal Treatment™ technology. The resulting product offers superior wear resistance, boundary film lubrication and high-load carrying performance over conventional lithium greases.

### Key Features & Benefits

- Adheres to metal, extending the life of treated metal parts
- Provides protection against wear & extreme pressure
- Protects internal moving metal parts of equipment against friction-related heat & wear
- Provides constant lubrication to all areas
- Reduces equipment maintenance & downtime
- Reduces operating temperatures
- Extends equipment life
- Saves money – improves profitability

### Typical Applications

- Axles
- Bearings
- Non-disc brake wheel bearings
- Conveyors
- Chassis fittings
- Pumps

- Universal joints
- Any other industrial, automotive or commercial area of lubrication requiring a cost-effective, antiwear semi-solid lubricant.

### Availability

- 14-oz. cartridge
- 5-lb. tub
- 35-lb., 120-lb. & 400-lb. drums
- Tote bins & other bulk containers upon request

### Typical Properties

NLGI Grade .....	2
Cone Penetration @ 77°F, worked 60 strokes .....	300
Appearance .....	Black, smooth/tacky semi-solid
Odor .....	Bland
Thickener Type .....	Lithium 12- hydroxystearate
Thickener Content .....	1 – 10%
Base Oil Viscosity .....	800 SUS @ 40°C (104°F)
Freezing Point.....	NE
Dropping Point .....	375°F (191°C)
Melting Point.....	360°F (182°C)
Boiling Point .....	700°F (371°C)
Flash Point .....	400°F (204°C) D92
Fire Point.....	450°F (232°C)
Evaporation Rate (nBuAc = 1).....	NE
Vapor Pressure .....	NE
Vapor Density (Air = 1) .....	NE
Specific Gravity @ 16°C (61°F) .....	0.89
Solubility in Water .....	Negligible
Timken OK Load, Lbs. Min.....	40 typical
Four Ball EP Weld, Load kgf .....	315

VOC Content ..... NE

NE = Not Established.

### **Health & Safety Hazards**

**WARNING!** May cause eye irritation. May cause skin irritation. Injection under the skin by high-pressure equipment may cause serious injury. Most injection damage occurs within the first few hours; initial symptoms may be minimal. Aspiration hazard if swallowed – can enter lungs and cause damage.

**WARNING!** Slipping hazard if spilled.

Consult Material Safety Data Sheet for additional information.

### **U.S. DOT Freight Classification**

- Identification Number: Not regulated.
- Proper Shipping Name: Lubricating grease.
- Hazard Class: Not applicable.
- Packing Group: Not applicable.



***“The Strength in Lubrication”<sup>®</sup>***

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