



TECHNICAL DATA

102 Barton Street, St. Louis, Missouri 63104

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#227 MOLY ROLLER CHAIN LUBE

Moly Roller Chain Lube is an anti-wear, extreme pressure, penetrating, o-ring safe chain lube that is specially formulated to lubricate high speed or medium speed roller chains found in automotive, industrial, farming, construction, and mining applications.

Moly Roller Chain Lube is blended from a unique formula of penetrating oils, special friction releasing and extreme pressure additives, and rust and corrosion inhibitors. This unique formula provides the following performance benefits:

1. **Rapid and maximum penetration into the pins and bushings reducing wear, chain stretch and dripage of the product into processing and production areas.**
2. **Rapid penetration into the pins and bushings and the pores of the metal surfaces of the chains in order to help free frozen chains and prevent new chains from freezing.**
3. **Elimination of contamination buildup.**
4. **Quickly produces flexible chain action.**
5. **Elimination of chain stick/slip motion.**
6. **Superior rust and corrosion protection.**
7. **Formation of a protective layer that rejects abrasive particles such dirt, sand and salt.**
8. **Excellent displacement of moisture.**
9. **Formation of a protective barrier against moisture.**
10. **Superior extreme pressure and anti-wear properties that increases chain life and reduces downtime.**
11. **Elimination of any residual oils or residues that can pick up dust or dirt.**
12. **Quieting and elimination of noisy chains.**
13. **Will not affect any seal materials and coatings**
14. **Will not swell or shrink O-rings**

Further blended into this unique formula are molybdenum disulfide and other solid lubricants. The molybdenum disulfide and other solid lubricants adhere to the metal surfaces forming an indestructible long lasting solid lubricant film. This long lasting solid lubricant film resists removal by water and heat and is capable of withstanding pressures up to 500,000 pounds per square inch. This solid lubricant film also reduces the friction on the pins, rollers and bushings, thus allowing the life of the chain and the sprockets to be consistently tripled.

Moly Roller Chain Lube does not contain any chlorinated solvents such as 1,1,1 trichloroethane, methylene chloride or chlorofluorocarbons which are considered harmful to the environment.

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Moly Roller Chain Lube can be used in non-processing areas of food, foodstuffs and beverage processing applications, where a USDA H-2 or NSF H-2 rated chain lubricant is required.

Moly Roller Chain Lubricant's operating temperature range is -35°F to 250°F

TYPICAL PROPERTIES

ISO Viscosity Grade	22
API Gravity (ASTM D-287)	29
Specific Gravity	.9064
Viscosity SUS 100°F (ASTM D-445)	100 - 120
Viscosity cSt @ 40°C (ASTM D-445)	19.0-24.20
Viscosity cSt @ 100°C (ASTM D-445)	3.47-4.98
Flash Point °F/°C (ASTM D-97)	306°/152°
Pour Point °F/°C (ASTM D-92)	-40°/-40°
Four Ball EP Test (ASTM D-2783)	
Weld Point, kg.	250
Load Wear Index	24.35
Four-Ball Wear (ASTM D-4172)	
Scar diameter, mm (20kg, 167°F, 1 hour)	0.32
Scar diameter, mm (40kg, 167°F, 1 hour)	0.36
Four-Ball Coefficient of Friction (ASTM D-5183)	
60kg Load	0.0878
Falex Continuous Load (ASTM D-3233)	
Failure Load, lbs.	1750
Rust Test Procedure B (ASTM D-665)	Pass
Copper Strip Corrosion Test (ASTM D-130)	1B

California VOC requirements:

Product is for use in the manufacturing process only (bulk and spray).