

Product Data Sheet

MT-10 METAL TREATMENT™ General Industry Applications

Muscle MT-10 . . . The Original Metal Treatment™

General Information

- Advanced technology, antifriction lubricant additive
- A blend of high-quality, petrochemical products
- Contains no PTFE, silicone, graphite, moly or solid lubricants
- Recommended for use in all petroleum oils & most synthetics

MT-10 Metal Treatment™ is one of the leading friction-reducing additives in the world. This product creates a chemically-induced boundary film of protection that withstands extreme pressures and dramatically reduces friction.

MT-10 is the keystone of the MPC line of specialty lubricants, additives and grease. It is especially recommended for use in lubrication systems where there is a concern for extra protection from extreme pressure, friction-related heat and high-wear conditions.

Carried to the moving, metal parts by the lube to which it is added, MT-10 smoothes and seals metal surfaces to reduce friction and heat. The results are less wear and smoother operation with no danger of build up or changes in tolerances.

Key Features & Benefits

- Lowers system operating temperatures
- Reduces downtime & maintenance costs
- Saves money – improves profitability
- Reduces energy costs
- Increases equipment performance & efficiency

- Protects against friction-related heat & wear
- Extends equipment life with improved lubrication

Typical Applications

- Engines – gasoline & diesel
- Transmissions – automatic & standard
- Differentials
- Gears
- Gear couplings
- Gear reducers
- Bearings
- Pumps
- Electric motors
- Hydraulic systems
- Lubrication systems requiring extra protection from extreme pressure, friction-related heat & high-wear conditions

Availability

- 8-oz. (237 mL) & 16-oz. (473 mL) bottles
- 1-gal. (3.8 L) & 5-gal. (18.9 L) containers
- 15-gal. (56.8 L) & 55-gal. (208.2 L) drums
- Tote bins & other bulk containers upon request

Directions for Use

- General: Add MT-10 in a 5% by volume ratio (1.5 oz. per quart / 45 mL per liter) to existing lubrication in most systems.

- **Engines:** Add 8 oz. (237 mL) of MT-10 to 4-6 quarts (or liters) of oil in crankcase. For larger engine oil reserves, add 1.5 to 2 oz. (45 to 60 mL) of MT-10 per each quart (or liter) of oil.
- **Gear Boxes:** Add 2 oz. (60 mL) of MT-10 for every quart (liter) of oil.
- **Hydraulics:** Add 1 oz. (30 mL) of MT-10 for every quart (liter) of oil.
- **Automatic Transmissions:** Add 8 oz. (237 mL) of MT-10 through the fluid tube. For larger transmissions, i.e., Allison's, add 1.5 oz. (45 mL) of MT-10 per every quart of transmission fluid.
- **Standard Transmissions:** Add 1 oz. (30 mL) of MT-10 per every pound (0.5 kg) of gear lube.
- **Power Steering/Rack Assembly Units:** Add 1.5 oz. (45 mL) of MT-10 per each quart (liter) of fluid.
- **Differentials:** Remove 4 oz. (120 mL) of lube & replace with 4 oz. (120 mL) of MT-10 for standard-size vehicles. For larger differentials, i.e., trucks, add 1 oz. (30 mL) of MT-10 per each pound (0.5 kg) of gear lube.

Typical Properties

Boiling Point	335°F (168°C)
Flash Point	315°F (157°C) D93
Autoignition Temperature	603°F (317°C)
Specific Gravity @ 60°F, g/cm ³	1.0575
Vapor Pressure	< 0.010 PSI
Viscosity @ 40°C, cSt	125.42
Viscosity @ 100°C, cSt	10.86
Viscosity Index	48.28
Timken Extreme Pressure OK Load	60+
Freezing Point	- 1.5°F (- 18.6°C)
VOC Content	0%
Odor	Mild petroleum
Color	Light amber
Appearance	Low viscosity liquid
Solubility in Water	Insoluble

Health & Safety

CAUTION! May cause eye and skin irritation. Aspiration hazard if swallowed – can enter lungs and cause damage.

WARNING! Slipping hazard if spilled.

Consult Material Safety Data Sheet (MSDS) for additional information.

U.S. DOT Freight Classification

- **Identification Number:** Not regulated.
- **Proper Shipping Name:** Lubricant oil.
- **Hazard Class:** Not applicable.
- **Packing Group:** Not applicable.



“The Strength in Lubrication”[®]

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