

Product Data Sheet

Muscle-Cut Power Cutting Oil™

Full-Strength Cutting Oil or Supplemental Coolant Additive

General Information

- Dual functionality: use as a full-strength cutting oil or a supplemental coolant additive
- Contains multiple metalworking technologies: ionic bonding, extreme-pressure & lubricity enhancement agents
- Contains MPC's MT-10 Metal Treatment™ technology for increased lubricity and boundary film lubrication
- Contains rust & corrosion inhibitors

Muscle-Cut™ Power Cutting Oil™ can be used in a wide range of applications from a 100% base stock coolant, to an additive to the existing insoluble cutting fluid.

This product's performance is unequalled to others for the price. Not only does Power Cutting Oil™ enormously reduce surface temperatures during drilling and cutting operations, but tool life is greatly extended. This product contains no PTFE, moly, sulfur, sulfinated ash or graphite.

Key Features & Benefits

- Extends tool life
- Reduces tool heat & metal surface temperatures
- Increases cutting speeds & production rates
- Provides more metal extraction per cut
- Excellent surface finishes
- Process visibility
- Excellent extreme-pressure properties
- Wide range of applications

Typical Applications

- Full-strength, undiluted cutting oil
- Supplemental additive to insoluble oils: add in a 10 – 25% by volume ratio to the existing coolant
- Machining, drilling, tapping, cutting, milling, CNC, broaching, ballizing, sharpening & wet grinding
- NOT recommended for use with water glycol compounds or Triphenol butylated phosphate oils

Availability

- 16-oz. (473 mL) bottles – trigger sprayers available if needed
- 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

Typical Properties

Boiling Point	432°F (222°C)
Flash Point	347°F (175°C)
Specific Gravity @ 60°F, g/cm ³	0.9833
Density	~ 8.21 lbs./US gal.
Pour point	-40.0°F (-40°C)
Vapor Pressure, PSI	< 0.125
Viscosity @ 40°C, cSt	84.71
Viscosity @ 100°C, cSt	8.26
Viscosity Index	49.10
Timken Extreme Pressure OK Load	60+

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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