

# Product Data Sheet

## MUSCLE-CUT™ EXTRA STRENGTH™

### General Information

- Active sulfur product fortified by fatty additives
- Designed for difficult machining operations & metals
- Dark in color (no process visibility)

Muscle-Cut™ Extra Strength™ is an active sulfur product (staining) fortified by fatty additives. This oil was designed for tough operations, such as milling, threading, tapping and drilling of moderate to difficult machining metals. The combination of sulfur and fatty additives increases the wetting characteristics resulting in greater surface finishes on the parts machined.

### Key Features & Benefits

- Excellent anti-wear properties
- Excellent anti-weld properties
- Storage rust protection
- Excellent wetting & metal finishes
- Capable of machining difficult metals

### Typical Applications

- Difficult machining metals: stainless steel 300/400 series, moly steel 4000 series, nickel moly steel 4600/4800 series
- Difficult machining operations: threading, broaching, milling

### Availability

- 1-gallon
- 38-lb. pail
- 115-lb. & 420-lb. drums
- Tote bins & larger containers upon request

### Typical Properties

Viscosity, cSt 40°C .....	31.34
Viscosity, cSt 100°C .....	4.87
Viscosity, SUS 104°F .....	147.6
Viscosity, SUS 212°F .....	42.2
Viscosity Index .....	62
Flash point (D-92 COC) .....	333°F/167°C
Pour point (D-97) .....	-40°F/-40°C
API Gravity @ 60°F .....	22.9
Density, lbs./gal. ....	7.632
Color (D-1500) .....	8

Chlorine % .....	0
Fat % .....	3
Total Sulfur % .....	3.3
Active Sulfur % .....	0

### Material Safety Data

- **Ingestion:** Do not induce vomiting. Call a physician immediately.
- **Eye Contact:** Flush with water for 15 minutes. Call a physician if irritation persists.
- **Skin Contact:** Wash thoroughly with soap & water. Call a physician if irritation occurs.
- **Storage:** Keep away from sparks & open flames.
- For additional information, please refer to Material Safety Data Sheet (MSDS).

### Freight Classification

- **Classification:** Lubricating Oil
- **Hazard Class:** Nonhazardous
- **Packing Group:** N/A



***“The Strength in Lubrication”***®

752 Kilgore Road  
Jackson Center, PA 16133

Phone: 800-227-7049

814-786-0166

Fax: 814-786-7321

Website: [www.mpclubricants.com](http://www.mpclubricants.com)