

Product Data Sheet

MUSCLE-CUT™ SOLUBLE CUTTING OIL™

General Information

- General-purpose soluble cutting oil
- Contains a biocide
- Recommended for grinding & machining applications where cooling & rust protection is a major concern

Muscle-Cut™ Soluble Cutting Oil™ is a general-purpose soluble cutting oil designed to readily emulsify and form a stable emulsion. This product also contains a biocide, which combats a wide variety of organisms from forming in the machine reservoirs and sumps.

Key Features & Benefits

- Ease of emulsification
- Excellent anti-foam ability
- Provides rust protection on parts & equipment
- Milky white appearance
- Excellent cooling properties
- Forms a stable emulsion
- Removable with water flush
- Biocide reduces rancidity problems
- Wide range of applications

Typical Applications

- Light machining of soft to medium hardness steel; typical emulsion ratio ~ 20:1
- Grinding applications requiring excellent cooling & a lower emulsion ratio ~ 40:1

Availability

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

Typical Properties

Viscosity, cSt 40°C	39.86
Viscosity, cSt 100°C	5.33
Viscosity, SUS 104°F	186.1
Viscosity, SUS 212°F	44.0
Viscosity Index	43
Flash point (D-92 COC)	336°F/169°C
Pour point (D-97)	-35°F/-37°C

API Gravity @ 60°F	22.5
Density, lbs./gal.	7.651
Color (D-1500)	2
Chlorine %	0
Fat %	8.2
Total Sulfur %	2.2
Active Sulfur %	2.2

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”®

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