



Technical Data Sheet

POWR-CUT HD

Bio-stable Medium Oil Semi-Synthetic
with EP Properties

POWR-CUT HD is a sulfonate free, bio-stable semi-synthetic cutting fluid capable of machining high alloy and stainless steels or other difficult non-ferrous and ferrous metals. The unique performance package produces excellent finishes on a wide range of materials with very low consumption. Other key benefits of **POWR-CUT HD** are its hard water stability and oil-rejecting capabilities.

TYPICAL PROPERTIES

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|---------------------------------|--------------------------------|
| Appearance of Concentrate..... | Blue liquid |
| Appearance of 5% Emulsion | Translucent to Slightly Opaque |
| pH of Concentrate | 9.4 – 9.6 |
| pH of Emulsion @ 5% | 9.1 – 9.3 |
| Specific Gravity (20° C) | 0.98 |

RECOMMENDED APPLICATIONS AND DILUTIONS

1. **POWR-CUT HD** is recommended for both general and very difficult machining and grinding applications involving high alloy and stainless steel as well as aluminum and its alloys.

| | |
|---------------------------------------|---------|
| Turning, Milling, Drilling and Sawing | 4% - 6% |
| Broaching, Tapping, Threading | 5% - 8% |
| Grinding | 2% - 4% |
| Factor (1.50) | |

AVAILABILITY

Product is available in 5-gallon pails and 55-gallon drums. .All sales F.O.B. Detroit, Michigan.