



Technical Data Sheet

POWR-CUT 790HD

Heavy Duty Synthetic Cutting Fluid
Ferrous Metal

POWR-CUT 790HD is a high performance, oil rejecting synthetic cutting fluid formulated for the most severe ferrous applications. POWR-CUT 790HD is designed to outperform EP-fortified soluble oils and semi synthetics in most applications. POWR-CUT 790HD's unique formulation provides superior oil rejecting properties, hard water stability and low foam generation even in DI water. This product contains synthetic surfactants, polar lubricating agents, synthetic rust preventatives, and special soaps to provide an oil free synthetic with superior lubrication, cooling and performance properties

Typical Properties

Appearance	Blue color, Slightly Viscous
Odor	Mild amine
Specific Gravity	1.07
Alkalinity	95 mg KOH/gm
pH (neat material)	9.80
pH (typical operating concentration)	9.34

Corrosion Protection

Percent POWR-CUT 790HD	Results
0.5%	No rust
1.0%	No rust
2.0%	No rust
3.0%	No rust

Suggested Applications

Double Disk Grinding	2% to 4%
Severe Grinding and Machining	5% to 10%
Centerless Grinding	3% to 7%
Factor (2.75)	

Availability

POWR-CUT 790HD is available in 5 gallon and 55-gallon non-returnable drums. All sales are f.o.b. Detroit, MI.