



Powers-All Powercut NS100

DESCRIPTION: **Powercut NS100** is a light-colored, low viscosity, chlorine-free multi-purpose cutting oil. It can be used as a machine tool lubricant and hydraulic fluid in screw machines and other automatic type machine tools. **Powercut NS100** is a blend of highly refined base oil with a new, carefully selected additive system that completely eliminates chlorinated compounds. This new additive technology is suitable for use on ferrous and non-ferrous metals including carbon and alloy steels, stainless steels, cast iron, aluminum, magnesium, copper and brass. It forms a protective film at the metal/tool interface beyond the ability of traditional, conventional cutting fluids.

- BENEFITS:**
- Promotes extended tool life
 - Free of chlorinated paraffins for easier waste disposal
 - Light color allows good visual inspection of machined parts
 - Elevated lubricity provides excellent surface finish and reduced friction

APPLICATION: **Powercut NS100** is non-corrosive to copper and copper alloys and can be used on most steel alloys where machinability ratings range from light to moderately severe. **Powercut NS100** is an ideal choice in high speed automatic screw machining and simple turning. For optimum performance **Powercut NS100** should be stored in its original sealed container at temperatures between 45°F and 90°F.

Typical Properties

Powercut NS100

Grade		Powercut NS100
Material Code	Test Method	PA335000
Color		Amber
Viscosity cSt @ 40°C	ASTM D 445	18
Viscosity SUS @ 100°F	ASTM D 2161	90
Flash Point, COC, °F	ASTM D 92	370
Copper Corrosion	ASTM D 130	1b
Sulfur, %		0.30
Chlorine, wt%		Nil
Fatty Ester, %		8
Phosphorus		Yes

*Typical test data are averages values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.



40 South Fifth Street Waterbury CT 06708
247 Northampton Street Easthampton MA 01027