



**SAWING PRODUCTS**

## PRODUCT DATA SHEET

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### POWER-CUT -CF

#### PRODUCT DESCRIPTION

Power-Cut -CF is an amber water-soluble oil cutting & grinding fluid, which becomes whitish in color upon dilution. It is specifically designed to achieve lubrication without the use of typical extreme pressure additives. As such, it is both operator and environmentally friendly. It is formulated for the general machining and grinding of both ferrous and non-ferrous metals. Power-Cut-CF offers excellent corrosion protection on ferrous metals.

#### GENERAL APPLICATION

Power-Cut -CF is typically used in light to medium duty machining applications like turning, boring, milling, and grinding of steel, stainless steel, cast iron, and copper alloys. It can perform across a broad range of metals in a variety of applications.

#### ATTRIBUTES

- Excellent corrosion protection
- Excellent tool life
- Good surface finish
- Non-staining to non-ferrous alloys.
- Wide variety of operations and applications

#### TYPICAL PHYSICAL PROPERTIES

Appearance:	
Undiluted Concentrate:	Clear, amber fluid
Weight/Gallon (25° C):	7.65 lbs/gal
Typical Dilution:	Milky white fluid
Flash Point:	350° F

#### APPLICATION INFORMATION

<u>Operation</u>	<u>Dilution</u>	<u>Refractometer Reading</u>	<u>pH</u>
Sawing	<b>10:1</b>	<b>10.0</b>	<b>9.2</b>
General Machining	<b>20:1</b>	<b>5.0</b>	<b>9.0</b>
Grinding	<b>25:1</b>	<b>4.0</b>	<b>9.0</b>

#### DIRECTIONS

Add desired amount of water to sump. Add desired amount of undiluted Power-Cut -CF to the water in the sump. Use moderate agitation to mix thoroughly by pump circulation or by stirring. Measure refractometer readings and adjust as necessary. For optimal coolant performance, it is important to maintain consistent coolant concentrations. Check concentration levels daily with a refractometer. Effort should be made to remove tramp oil contamination on a regular basis. Prevent the addition of other contaminants to the fluid system.

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