



TECHNICAL DATA SHEET

ULTRACUT AERO / POWERCOOL AERO

Biostable Water-Soluble Oil Metalworking Fluid Concentrate

DESCRIPTION

ULTRACUT Aero is a premium water-soluble oil cutting & grinding fluid specially designed for the aerospace industry. It is formulated for maximum biostability with non-chlorinated extreme-pressure additives and boundary lubricants for heavy-duty machining of ferrous and nonferrous metals.

APPLICATION

Aerospace machining
Heavy-duty machining and grinding

ADVANTAGES

- Extremely resistant to bacteria and fungus
- Exceptionally long sump life
- Outstanding corrosion protection
- Great workpiece quality
- Dramatically extends tool life
- Increased productivity

MATERIAL COMPATIBILITY

Recommended for ferrous/nonferrous metals, aluminum, and titanium.
Limited use on brass, bronze, and copper.

PHYSICAL PROPERTIES

<i>Concentrate Color</i>	Light brown
<i>Dilute Color</i>	Milky white
<i>Odor</i>	Mild, characteristic
<i>pH at 10%</i>	9.3
<i>Specific Gravity</i>	0.97
<i>Density</i>	8.1 lbs/gal (970 kg/m ³)
<i>Flash Point</i>	220 °F (104 °C)
<i>Boiling Point</i>	212 °F (100 °C)
<i>Chlorine</i>	None
<i>Mineral Oil</i>	40%
<i>Refractometer Index (% Brix)</i>	10:1 (10%) = 9.2
	20:1 (5%) = 4.6
	30:1 (3%) = 3.0

DILUTION RATIOS

<i>Light-duty machining</i>	30:1 (3%)
<i>Moderate-duty machining</i>	20:1 (5%)
<i>Heavy-duty machining</i>	10:1 (10%)

These dilution ratios should only be used as general guidelines and are not exact specifications. Contact your Rustlick Sales Representative for an application specific recommendation.

AVAILABLE SIZES

<i>5 gallon; net weight 44 lbs (20.0 kg)</i>	74405
<i>55 gallons; net weight 485 lbs (220.0 kg)</i>	74455

HEALTH AND SAFETY

Use proper safety equipment. Avoid contact with skin, eyes, and clothes. Avoid inhaling vapor or mist. Keep away from extreme heat. Keep container closed when not in use. For complete Health and Safety information refer to product Material Safety Data Sheet (MSDS). Product MSDS can be downloaded from www.rocolnorthamerica.com/msds.htm.

For additional information call 800-452-5823 x2 or visit www.rocolnorthamerica.com.

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