

Eastern Oil Company

590 South Paddock
Pontiac, MI 48341
248.333.1333
www.easternoil.com

ISO 9001 Registered

TechData

ExcelCool466

ExcelCool 466 is a chlorine free, semi-synthetic concentrate for moderate to heavy duty machining. The coolant is designed for use in a variety of grinding and cutting applications on cast iron, high strength steel alloys, stainless steel, and most non-ferrous substrates. The coolant contains a combination of wetting, lubricity, and extreme pressure additives that have shown excellent resistance to biological degradation. Solutions of ExcelCool 466 will readily drop fines, reject tramp oils, and maintain a long and odor-free sump life.

Application

Ferrous Metals: Recommended at 5-10% dilution for general machining. Concentrations above 10% are not normally recommended, but may be required for harder alloys or more difficult operations such as form tapping and heavy broaching.

Non-Ferrous: Should be used from 5-10% for most substrates including aluminum alloys, brass, and bronze. Stain testing of the specific aluminum alloy being machined is always recommended before use.

Typical Properties

Appearance, concentrate	Dark Amber
Appearance, 10% dilution	Translucent Tan
pH, 10% dilution	9.6
Dry Down Residue	Non-tacky liquid film
Foaming Characteristics	Low
Refractive Index @ 5%	3.2
RI Factor	1.55

