

DESCRIPTION

- **LubeRite E-CUT** is a premium quality, heavy-duty, emulsifiable oil, which provides optimum cooling and lubrication in metal cutting and grinding operations. It may be used for ferrous metals such as cast iron, mild steels, forged steel and stainless steels.
- **LubeRite E-CUT** has also been successfully used as a concrete mold release agent, and a gob shear lubricant for glass bottle shearing.

PROPERTIES

- Mixes readily with water to form stable emulsions.
- Possesses good rust-preventive properties.
- Inhibits foaming tendency.
- Resists bacterial attack to prolong the storage life of the emulsion.

APPLICATIONS

- Lathe and milling operations (CNC machines) as well for grinding.
- Recommended water-oil ratio:
 - For General Use – 1:20 (5%)
 - For Grinding – 1:30 (3%)
 - For Stainless Steel and Difficult Machining Job – 1:5 to 1:10 (10-20%)
 - For Concrete Mold – 2-10%
 - For Gob Shear – 1:500 to 1:1,000

AVAILABLE PACKAGES

- 200-liter drum
- 20-liter pail

TYPICAL CHARACTERISTICS

Specific Gravity, at 15.6°C	0.9985
Color, ASTM	2.5
Viscosity at 40°C, cSt	35.2
Viscosity at 100°C, cSt	5.61
Viscosity Index	92
Emulsion Appearance	Milky White

Concentration Monitoring for Gob Shear (using Colorimeter):

E-cut Emulsion Ratio	Absorbance
1:500	1.22
1:600	1.09
1:700	0.99
1:800	0.89
1:900	0.85
1:1000	0.78

Note: Manufacturing recommendation only, use as guide, actual application may vary depending on many factors.