



Product

Type

LUBRISTAY™ 310

Metal Processing

Lubricity agent and multifunctional additive

Application

Lubristay 310 is a water dispersible lubricity additive, emulsifier and coupling agent for metalworking fluids. It is comprised of vegetable oil and triglyceride esters.

Lubristay 310 exhibits an HLB 12.5 which makes it a highly effective water dispersible additive.

Lubristay 310 provides good thermal, oxidative and bio-stability. In addition to providing lubricity, it helps stabilize emulsions in hard water. Its low viscosity and easy handling make it an excellent tool for formulating soluble, semi-synthetic metal working fluids and emulsifiable rust preventives.

Typical Properties

Test	Typical
Appearance	Clear, reddish liquid
Specific gravity at 25° C	1.0
Water, wt. %	<2.0
Total acid number, mg KOH/g	<1.0
Active, wt. %	>97
HLB	12.5

Benefits

- Imparts excellent lubricity and extreme pressure properties.
- 10% in water carries a falex load of 4000#
- Can be used as part of the emulsifier package in soluble oils and semi-synthetics. Aproximate HLB 12.5
- Easy to handle

Suggested Formulation Details

General-purpose soluble oil

<u>Components</u>	<u>% by Weight</u>
100 SUS Naphthenic or Paraffinic oil.....	81-85
EZ-Mulz™ 500 HMW natural sodium sulfonate	5
Lubristay 315	5 - 8
Lubristay 310	2 - 4
Biocide.....	1 - 3
Fungicide.....	0.5 - 1

Storage and Handling

Recommended Maximum Long Term Storage Temperature*	Ambient
Recommended Minimum Temperature for Use	Ambient
Flash Point	350° F PMCC



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