

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 is 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. Approximate 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



Lockhart Chemical Company
4302 James P Cole Boulevard Flint, MI 48505
Phone: 1-810-789-8330 Fax: 1-810-789-3266
www.lockhartchem.com
email: customerservice@lockhartchem.com

DISCLAIMER: To the best of our knowledge, the information and recommendations contained herein are accurate. However, this information and recommendations are furnished without any warranty, representation or license of any kind. Users of our products are encouraged to run their own tests to ensure product fitness for their applications. Furthermore, users assume sole liability for any patent infringement that occurs by reason of following our recommendations or using the information given

Lubristay and EZ-Mulz are trademarks of Lockhart Chemical Company

5/1/2018