

Product	Type
---------	------

EZ-MULZ™ 5725
Metal Processing
Semi-Synthetic Base
Application

EZ-Mulz 5725 is a fully formulated semi-synthetic base. Based on natural sodium sulfonate, secondary emulsifiers and other components, EZ-Mulz 5725 produces a highly efficient, general-purpose semi-synthetic fluid that has great wetting properties when diluted with water.

EZ-Mulz 5725 is free from chlorine, nitrites, phenols and heavy metals.

Typical Properties

Test	Typical
Appearance	Clear, amber liquid
Specific gravity at 25° C	0.96
Viscosity @40°C (cSt)	140
Total acid value, mg KOH/g	40
pH at 5% in water	9.0
Color (Gardner)	6

Benefits

- Excellent lubricity and corrosion protection
- Outstanding wetting properties on a variety of metal substrates
- Can be used for both ferrous and non-ferrous metals
- Useful for most machining operations
- Small emulsion particle size for clearer emulsion and better operator visibility
- Compatible with most standard biocides
- Does not contain boron, chlorine, phosphorous or sulfur

Performance

ASTM D-4627-92 Corrosion on Cast Iron Chips	
Product	Rating
5% EZ-Mulz 5725 in water	0

Ratings scale: 0 = no rust and 5 = 100% rust

Typical Applications

Basic Semi-Synthetic Fluid from Base Package

Component	% by weight	Function
Water	60-70	Diluent
EZ-Mulz 5725	30-40	Emulsifier base
Biocide/Fungicide	As required	Microbial and fungal control

Added Lubricity Semi-Synthetic Fluid from Base Package

Component	% by weight	Function
Water	53	Diluent
EZ-Mulz 5725	40	Emulsifier base
Lubristay 7511	5	Lubricity
Triethanolamine	2	Alkalinity
Biocide/Fungicide	As required	Microbial and Fungal Control

Semi-synthetic concentrates are typically diluted to 5% in water by the end user.

Storage and Handling

Recommended Maximum Long Term Storage Temperature*	Ambient
Recommended Minimum Temperature for Use	Ambient
Flash Point	>150°C COC

*Do not store with excessive heat (>150° F) over long periods.



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.