



# PRODUCT DATA SHEET



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## MOLYLUBE® SYNTHETIC ESTER CHAIN LUBRICANT

**Molyube Synthetic Ester Chain Lubricant**, commonly known as Molyube MD-88-E Fluid, is an ester-based synthetic chain with suspension grade molybdenum disulfide, or moly, and graphite. It is specifically formulated for heavy-duty, high temperature chain applications. When applied to a chain, **Molyube Synthetic Ester Chain Lubricant**'s synthetic fluid containing finely divided solid lubricants coats the chain and penetrates to lubricate and protect the sprockets, links, and the pins and bushings. The product's solid lubricants provide positive lubrication if the chain becomes dry at elevated temperatures and effectively lubricates up to 427°C (800°F). **Molyube Synthetic Ester Chain Lubricant** features a remarkably stable base fluid and a unique blend of Extreme Pressure and anti-wear additives to protect against shock load conditions. **Molyube Synthetic Ester Chain Lubricant** is an exceptional chain cleaner, because it cleans old deposits and prevents the formation of new deposits.

### *Applications*

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- |                              |                       |
|------------------------------|-----------------------|
| ◆ Metal decorating plants    | ◆ Curing oven chains  |
| ◆ Lithographing coater ovens | ◆ Tenter frame chains |
| ◆ Drying oven chains         | ◆ Rolling chains      |

### *Features and Benefits*

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| ◆ Contains colloidal Molyube solids                          | Solids remain suspended for an indefinite period of time.                |
| ◆ Extreme pressure properties and excellent wear protections | Prevents excessive wear under high- or shock load conditions.            |
| ◆ Resists oxidation  | Reduces sludge build-up under high operating temperature.                |
| ◆ Synthetic carrier  | Excellent compatibility with natural and synthetic rubbers.              |
| ◆ USDA H2 rated  | Acceptable in food plants where there is no possibility of food contact. |

### *General Description*

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**Molyube Synthetic Ester Chain Lubricant** is an ester-based synthetic chain with suspension grade molybdenum disulfide, or moly, and graphite. **Molyube Synthetic Ester Chain Lubricant** is an exceptional chain cleaner; it cleans old deposits and prevents the formation of new deposits. **Molyube Synthetic Ester Chain Lubricant** can be used to temperatures of 246°C (475°F).

### *Product No. 20750*

**MOLYLUBE® SYNTHETIC ESTER CHAIN LUBRICANT**  
**TYPICAL PROPERTIES**

<b><u>Product No.</u></b>	<b><u>20750</u></b>
ISO Viscosity Grade	150/220
SAE Gear Oil Grade	90
Viscosity, ASTM D445	
@ 40°C, cSt	193
@ 100°C, cSt	15.5
Viscosity, ASTM D2161	
@ 100°F, SUS	1027
@ 210°F, SUS	81.9
Viscosity Index, ASTM D2270	77
Pour Point, ASTM D97	
°C	-29
(°F)	(-20)
Lubricating Solids Type	Molylube Solids
Falex EP Test, ASTM D3233 Method B	
Non-seizure Load, lbf	2250
Flash Point, ASTM D92	
°C	282
(°F)	(540)
Useful Temperature Range	
°C	-23 to 246
(°F)	(-10 to 475)
Specific Gravity, ASTM D1298, 60/60°F	0.973
Color	Dark Gray