

## KINLUBE 220M

Per D250-116 Rev. 5

Kinlube is a fire-resistant fluid used as lubricant and sealant for mechanical vacuum pumps with an ultimate vacuum in single stage pumps of .030 Torr minimum and in compound pumps of .005 Torr minimum. Vacuum pumps may require non-standard elastomer materials. This fluid is a butylated triphenyl phosphate ester with <25% triphenyl phosphate. It is approved as a fire-resistant hydraulic fluid by Factory Mutual and the Bureau of Mines and conforms to MIL-H-19547-C-1.

PHYSICAL PROPERTIES	KINLUBE 220M	ASTM TEST METHOD
Viscosity at: 100° F, SUS/cSt	219/47.3	D-2161
Viscosity at: 150° F	75.5/14.5	
Viscosity at: 210° F	44.3/5.5	
Specific gravity, 60° F	1.13-1.17	D-1298-55
Pour point, ° F	0	D-97-57
Flash point, ° F	475	D-95-56
Fire point, ° F	665	D 92-57
Auto-ignition point, ° F	1100	D-286-58T
Neutralization No.	.03	D-974
Carbon residue Ramsbottom, wt. %	0.61	D-524
Foam, 5 min. aeration at 75° F, ml	20	D-892
Water content, maximum, wt. %	.06	D-1401
Emulsion test at 130° F 40/40/5 minutes	2/0	
Color	Yellowish	
Odor	Slight	
Specific heat at: 100° F	.3677	
Specific heat at: 210° F	.4126	

**Sold in the following container sizes:**

1 quart - 200533 0000  
 1 gallon - 200531 0000  
 5 gallons - 200532 0000  
 55 gallons - 202131 0000

**SPECIAL INFORMATION**

According to US Department of Labor regulations, this product is not defined as hazardous. However, tri-phenyl phosphate, an ingredient comprising 15-25% of this product is so listed. OSHA Permissible Exposure Limit (PEL) for tri-phenyl phosphate is an 8-hour time weighted average of 3 mg/m<sup>3</sup> (29 CFR 1910-1000 Air contaminants.)

The discharge of a mechanical vacuum pump must be filtered and MUST NOT be discharged into the work area; pipe the discharge to an outside area.

SDS is available online.

**REF PUMP TEST TAG #807579**

## CONTACT US

For more information, contact your  
Regional Sales Manager or call us at:

**1-800-825-6937**

Your Local Sales Professional: