

# CHEMLUBE® 645

## SYNTHETIC IMPREGNATING LUBRICANT

### APPLICATIONS:

Chemlube® 645 is a fully synthetic impregnation lubricant for the powder metal manufacturing and motor manufacturing industries. Chemlube 645 provides superior anti-wear properties and can be used as a general purpose lubricating oil.

Chemlube 645AW has been formulated with additional anti-wear additives to provide higher load carrying protection.

### TYPICAL INDUSTRIAL APPLICATIONS:

- Impregnating Lubricant
- Automotive Accessory Motors
- Appliances
- Timers
- Moving Picture & Slide Projectors
- Business Machines
- Small Power Tools
- Electric Motors

### PERFORMANCE BENEFITS:

- Low evaporation rate; bearings in electric motors last longer
- Excellent oxidation stability, no deposits will form at shaft and bearing juncture
- Wide temperature range – offers extended life from -40 to 400°F
- Resists “pumping” – the oil migrates slowly out of the bearing to extend motor life

TYPICAL PROPERTIES	TEST METHOD	Chemlube 645	Chemlube 645 AW
Viscosity @ 40°C,cSt	ASTM D445	60.4	61
Viscosity @ 100°C,cSt	ASTM D445	11.0	11
Viscosity Index	ASTM D2270	176	180
Flash Point, °C/°F	ASTM D92	245/473	245/473
Pour Point, °C/°F	ASTM D97	-59/-75	-59/-75
Fire Point, °C/°F	ASTM D92	285/545	285/545
Neutralization No.	---	0.7	0.7
Evaporation 22.5 hrs.@210°F, %	---	4	4
Evaporation 6.5 hrs.@400°F, %	---	0.7	0.7
Specific Gravity	ASTM D1298	0.91	0.91