

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

**CHEMLUBE®**

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#### HEALTH & SAFETY

To obtain an MSDS on this or any other Ultrachem product, please contact your representative.

#### TECHNICAL SUPPORT

To learn more about Ultrachem products and applications please contact us at [info@ultracheminc.com](mailto:info@ultracheminc.com)

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