

# Specialty Lubricants

## MOLYKOTE® S-1504 Adhesive Low Friction Chain Oil

Synthetic gel for lubricating metal chains even at very high temperatures (+250°C/482°F). Very low coefficient of friction

### FEATURES

- Wide service temperature range (0°C/32°F to +250°C/482°F)
- Excellent adhesion
- Longer lubrication intervals even at very high temperatures (up to +250°C/482°F)
- Very low coefficient of friction

### COMPOSITION

- Mixture of synthetic oils
- CFC-free solvent
- Friction improver additives
- Corrosion inhibitors
- EP additives
- Oxidation inhibitors

### APPLICATIONS

- All kind of oil lubricated chains.
- Suitable and used for oil-lubricated chains in lacquering plants and drying installations.

### TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

ASTM*	Parameter	Unit	Value*
	Color		Greenish, transparent
	<b>Density, viscosity</b>		
D-4052	Density at 15°C (59°F)	g/cm <sup>3</sup>	0.86
D-445	Viscosity at 40°C (104°F)	mm <sup>2</sup> /s	2.650-2.950
D-445	Viscosity at 100°C (212°F)	mm <sup>2</sup> /s	180-220
	<b>Temperature</b>		
	Service temperature	°C	0 to +250
		°F	32 to +482
D-92	Flash point	°C	>250
		°F	>482
	Evaporation rate after 24 hours at 200°C (392°F)	%	<3.5
	Oxidation resistance after 4 hours at 200°C (392°F), 200ml O <sub>2</sub> /minute, weight loss	%	<5
	<b>Load-carrying capacity, wear protection, service life</b>		
D-4172	FBM (1 hour/400N/1.200rpm) wear scar diameter	mm	<0.70
D-2783	FBM, weld load	N	2,500
D-5707	SRV coefficient of friction (200N, 1mm, 50Hz, 50°C/122°F)		0.04

\* ASTM: American Society for Testing and Materials.  
All values after evaporation of the solvent.

### HOW TO USE

#### How to apply

MOLYKOTE S-1504 Oil is a dispersion of highly adhesive oil in a volatile solvent that penetrates into the slots of the chain. After the solvent evaporates, the gel remains in the lubricating points. All old lubricant should be cleaned off the chain with a solvent.

MOLYKOTE S-1504 Oil should be thinly applied to the dry chain with a brush. Let the solvent evaporate for approximately 30 minutes before reassembling or putting in operation the chain again. In the presence of dust any excess of product should be removed from the chain.

## **HANDLING PRECAUTIONS**

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The material safety data sheet is available on the Dow Corning website at [www.dowcorning.com](http://www.dowcorning.com). You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

## **USABLE LIFE AND STORAGE**

When stored at or below 20°C (68°F) in the original unopened containers, this product has a usable life of 60 months from the date of production.

## **PACKAGING**

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest Dow Corning sales office or Dow Corning distributor.

## **LIMITATIONS**

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

## **HEALTH AND ENVIRONMENTAL INFORMATION**

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, [www.dowcorning.com](http://www.dowcorning.com) or consult your local Dow Corning representative.

## **LIMITED WARRANTY INFORMATION - PLEASE READ CAREFULLY**

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