

# Specialty Lubricants

## MOLYKOTE® S-1503 High Temperature/Low Friction Chain Oil

### FEATURES

- Wide service temperature range (-20°C/-4°F to +250°C/482°F)
- Longer lubrication intervals even at very high temperatures (up to +250°C/482°F)
- Very low coefficient of friction

### COMPOSITION

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

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

### 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>	0.970
D-445	Viscosity at 40°C (104°F)	mm <sup>2</sup> /s	200-240
	ISO* VG		220
D-445	Viscosity at 100°C (212°F)	mm <sup>2</sup> /s	15.5-17.5
	<b>Temperature</b>		
	Service temperature	°C	-20 to +250
		°F	-4 to +482
D-92	Flash point	°C	>250
		°F	>482
	Evaporation rate after 24 hours at 200°C (392°F)	%	<2.0
	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	<0.40
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.  
ISO: International Standardisation Organisation.

### HOW TO USE

#### How to apply

Apply with brush, spray-can, spray gun, drop-feed oiler or conventional metering devices. MOLYKOTE S-1503 Oil can also be applied by dipping.

### 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.

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