

Molykote[®] C-40 High Temperature Chain Lubricant

FEATURES & BENEFITS

- Provides high-temperature lubrication from 350 to 1000°F (177 to 538°C)
- Gives off little smoke or objectionable odors when used in proper amounts
- Designed to lubricate in lightly to moderately loaded conditions
- Does not build up carbon deposits as readily as most conventional petroleum chain lubricants
- Frequently softens hard carbonaceous deposits caked on from previously used hydrocarbon lubricants
- Can be applied manually or with automatic lubrication systems

COMPOSITION

- A stable dispersion of microscopic graphite particles in a polyalkylene glycol carrier fluid
- Supplied as low-viscosity fluid
- Forms solid lubricant film after fluid evaporation

Lubricant for bearings and chains exposed to high temperatures

APPLICATIONS

Molykote[®] C-40 High Temperature Chain Lubricant has been used on a variety of high-temperature lubrication applications, including:

- Oven chains – lubricates in a variety of high-temperature ovens, including heat treating, paint drying, lithographing and gypsum wallboard drying ovens
- Conveyors – lubricates chains, roller bearings and ball bearings in high-temperature paint-drying tunnels, paperboard driers and heat-treating ovens
- Bearings – lubricates oven cart and brick kiln car bearings

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Test*	Property	Unit	Result
	Color		Black
	Density at 77°F (25°C)	lb/gal	8.3
ASTM D 88	Viscosity		
	100°F (38°C)	cSt	134
	210°F (99°C)	cSt	21.4
ASTM D 92	Flash Point, Closed Cup	°F (°C)	334 (168)
ASTM D 92	Flash Point, Open Cup	°F (°C)	450 (232)
ASTM D 97	Pour Point	°F (°C)	-25 (-32)

*ASTM: American Society for Testing and Materials.

DESCRIPTION

Molykote C-40 High Temperature Chain Lubricant is a low viscosity fluid dispersion of graphite in synthetic oil. It penetrates inaccessible areas, carrying solid lubricating graphite particles to the point where lubrication films are required. It is designed to lubricate in light to moderate loads at temperatures up to 1000°F.

HOW TO USE

Molykote C-40 High Temperature Chain Lubricant can be used as supplied and requires no stirring. It can be applied manually by brush or hand oiling, as well as with such automatic lubrication equipment as drop-feed, wick, brush and oil-mist systems. Amount supplied may be adjusted to avoid smoking.

For best results, it should be applied to surfaces under 250°F (121°C). Best operating conditions, however, are over 350°F (177°C) at which point the polyalkylene glycol is cleanly volatilized from the surface. Continuous operation between 250 and 350°F (121 and 177°C) may cause gumming.

AUTHORIZATIONS

Molykote C-40 High Temperature Chain Lubricant meets the requirements of FDA H-2.

HANDLING

PRECAUTIONS

PRODUCT SAFETY

INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEBSITE AT DOWCORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

USABLE LIFE AND STORAGE

When stored at or below 90°F (32°C), *Molykote C-40 High Temperature Chain Lubricant* has a shelf life of 60 months from date of manufacture. Refer to product packaging for “Use By” date.

PACKAGING INFORMATION

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.

SHIPPING LIMITATIONS

None.

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, dowcorning.com or consult your local Dow Corning representative.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer’s tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning’s sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

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