

Product Information Lubricants

***Dow Corning*[®] C-40 High Temperature Chain Lubricant**

FEATURES

- 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

USES

Dow Corning[®] 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

These values are not intended for use in preparing specifications.

Method	Test	Unit	Result
	Color		Black
	Density at 77°F (25°C)	lb/gal	8.3
ASTM D 88	Viscosity		
	100°F (38°C)	SUS	650
	210°F (99°C)	SUS	105
ASTM D 92	Flash Point	°F (°C)	450 (232)
ASTM D 97	Pour Point	°F (°C)	-20 (-29)

Specification Writers: Please obtain a copy of the Dow Corning Sales Specification for this product and use it as a basis for your specifications. It may be obtained from any Dow Corning Sales Office, or from Dow Corning Customer Service in Midland, MI. Call (517) 496-6000.

HOW TO USE

Dow Corning 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

Dow Corning C-40 High Temperature Chain Lubricant meets the requirements of USDA H-2.

PACKAGING

Dow Corning C-40 High Temperature Chain Lubricant is supplied in 1-quart, 5-gal and 55-gal (2-, 40- and 450-lb) containers, net weight.



A worker fills the reservoir of an automatic oiler designed to apply one shot of Dow Corning C-40 High Temperature Chain Lubricant to each conveyor bearing as it passes underneath. The oil's glycol carrier evaporates in a 530°F (277°C) bake oven without leaving a residue. The graphite constituent of the lubricant remains to keep the bearings rolling freely.

STORAGE AND SHELF LIFE

When stored at or below 90°F (32°C), Dow Corning 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.

USE LIMITATIONS

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

SHIPPING LIMITATIONS

None.

SAFE HANDLING INFORMATION

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE FROM YOUR DOW CORNING REPRESENTATIVE, OR DISTRIBUTOR, OR BY WRITING TO DOW CORNING CUSTOMER SERVICE, OR BY CALLING (517) 496-6000.

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 Dow Corning's products are safe, effective, and fully satisfactory for the intended end use.

Dow Corning's sole warranty is that the product will meet the Dow Corning 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. Dow Corning specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless Dow Corning provides you with a specific, duly signed endorsement of fitness for use, Dow Corning disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.