

# Product Information

## High Performance Lubricants

# *Molykote*<sup>®</sup> Cu-7439 Plus

## High Temperature Copper Paste

### FEATURES

- Excellent adhesion to metal surfaces
- Wide temperature range (-30 to 650° C)
- Good load-carrying capability

### BENEFITS

- Reduces friction and wear
- Excellent protection against fretting corrosion and corrosion due to high temperature
- Helps prevent brake squeal in disc brakes
- Allows trouble-free disassembly of machine components even after long service intervals

### High Temperature Copper Paste

#### APPLICATIONS

- Disc brakes, brake cams, brake guides, flange seals, adjuster screws, and threaded connections
- Vehicle assembly and maintenance (e.g., truck drum brakes)
- In steel works, glass manufacturing, refineries, and petrochemical facilities
- On agricultural and marine vehicles

#### 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.

Property	Value
Color:	copper
Temperature range:	-30 to +650°C (as paste up to 300°C)
Density (g/cm <sup>3</sup> )	0.99
Penetration, unworked (mm/10):	310 - 360
Dropping point:	none
Extreme pressure capability [AWM O.K. -load (lbs.)]	4,400
Four Ball Test, wear scar, 1 hour @ 400N, (mm)	0.6
Press Fit Test, coefficient of friction	0.12
Corrosion tests at 50 um thickness (DIN 50021 salt spray test)	> 500 hours
after heating at 250°C for 1 hour	> 100 hours
SKF Corrosion Test (7 day water test)	0 - 1

#### DESCRIPTION

*Molykote*<sup>®</sup> Cu-7439 is a long term lubricant for machine components which are exposed to high loads, high temperatures and corrosive environments. The paste exhibits excellent adhesion to metal surfaces, providing not only good resistance to removal by steam and/or hot water, but increased protection from corrosion.

#### HOW TO USE

Apply by brush to clean, dry metal surfaces

## 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

*Molykote*<sup>®</sup> Cu-7439 has a shelf life of 60 months when kept in its original, sealed container.

## PACKAGING

*Molykote*<sup>®</sup> Cu-7439 is supplied in 16 kg (35.2 lb) open-top pails.

## 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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