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## Technical Data Sheet

# Permatex® Silicone Ceramic Extreme Brake Parts Lubricant

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### PRODUCT DESCRIPTION

Permatex® Silicone Ceramic Extreme Brake Parts Lubricant is an orange, non-melting, silicone-based lubricant formulated with the latest rust, oxidation, and anti-wear additives to provide long lasting protection against friction, wear, and corrosion. Silicone Ceramic Extreme Brake Parts Lubricant is fortified with a high concentration of a unique, high temperature ceramic boundary lubricant that stay in place and protect at extreme temperatures from -50°F to +3000°F (-46°C to +1649°C), while providing protection against dirt, corrosion, and uneven pad wear. This product was designed to be used on the backing plates of friction pads and all brake hardware that needs lubrication. It is compatible with internal and external brake rubber and plastic hardware, including ethylene-propylene rubber.



### PRODUCT BENEFITS

- Wide temperature range
- Chemical resistant
- Prevents disc brake squealing and chattering
- Water proof; will not wash out
- Reduces wear
- Outperforms ordinary caliper greases and traditional disc brake quiet products
- Silicone based formula
- Prevents rust and corrosion
- Lasts the life of the pads and shoes

### TYPICAL APPLICATIONS

- Long and short bolts
- Sleeves
- Bushings
- Outboard pad backing plate
- Inboard pad backing plate
- Disc brake calipers
- Caliper pins
- Pistons

### DIRECTIONS FOR USE

1. Wire brush the caliper housing and anchor plate to remove all dirt and dust.
2. Clean all parts with Permatex® Brake & Parts Cleaners.
3. Apply Permatex® Silicone Ceramic Extreme Brake Parts Lubricant to all moving caliper hardware, mating surfaces and steel backing plates of the disc brake pads.
4. Lubricant may be applied to the **BACKS** of brake pads to act as a noise suppressor eliminating caliper brake squeal and chatter.
5. Any excess grease that squeezes out from the mating surfaces should be removed.

**Note: Keep lubricant off pads and rotors.**

### PROPERTIES OF MATERIAL

	Typical Value
Chemical Type	Silicone
Appearance	Orange paste
Specific Gravity	0.94
Worked penetration (60 strokes), ASTM D-217	265-295
Dropping point, °C (°F) ASTM D-2265	None
NLGI Number	2
Rust Preventative Test ASTM D-1743	Pass
Water Washout @100F, % Loss, ASTM D-1264	2.0
Timken OK Load, lbs. , ASTM D-2509	45
Four-Ball Wear Scar, mm (40 kg. 1 hr 1200 RPM) ASTM D-2266	0.6

### GENERAL INFORMATION

**This product is not recommended for use in pure oxygen and/or oxygen rich systems.**

**For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).**

### ORDERING INFORMATION

Part Number	Container Size
80653	8 fl oz brush-top bottle
24129	0.5 oz tube, carded

### STORAGE

Products shall be ideally stored in a cool, dry location in unopened containers at temperatures from 8° and 28°C (46° and 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container.

**NOTE**

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