

# 3M

# Silicone Paste

## 08946

Technical Data Sheet

October, 2011

3M Part No.(s)	3M Part Descriptor(s)
08946	3M™ Silicone Paste

**Product Description** 3M™ Silicone Paste is a non-hardening, water resistant, silicone based compound designed to lubricate, protect surfaces from oxidation and serve as a dielectric compound. It is a high viscosity paste that will remain in place for a long period of time. It can be applied heavily to help seal out contaminants and environmental elements that lead to oxidation and corrosion or it can be spread thin to leave behind a virtually unnoticeable film. A brush is permanently attached to the top to make applying it more convenient.

Features, Advantages, Benefits	Features	Advantages	Benefits
	<ul style="list-style-type: none"> <li>Lubricates, Protects From Oxidation, Dielectric Properties</li> <li>Water Resistant</li> <li>Screw-Top Bottle with Built-In Brush</li> </ul>	<ul style="list-style-type: none"> <li>Mutliple Purposes</li> <li>Seals Out Moisture</li> <li>Convenient Package</li> </ul>	<ul style="list-style-type: none"> <li>Saves Money</li> <li>Keeps Out Oxidation</li> <li>Seals Out Contaminants, Brush is Always Available</li> </ul>

### Typical Physical Properties

**Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.**

Container	10 Oz. Plastic bottle with screw top and built-in brush	Packaged 6 bottles to a case
Net Weight	8 Oz. (226 grams)	
Chemistry	See package label or MSDS	
Specific Physical Form	Paste	
Color	Translucent white	
Odor	Mild	
Base	Silicone Paste	
Flash Point	570°F [Test Method: Tagliabue Closed Cup]	
Specific Gravity	1.03 [Ref. Std: WATER=1]	
Solubility in Water	Nil	
Volatile Organic Compounds	0 g/l [Test Method: calculated SCAQMD rule 443.1]	
Service Temperature - °F	-40°F to +400°F	

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## Product Uses

For use in numerous vehicle and non-vehicle applications. Use as a lubricant for plastic-to-plastic, plastic-to-metal, plastic-to-rubber, rubber-to-rubber, and rubber-to-metal assemblies. Will not cause swelling or deterioration of elastomers. Use to seal out contaminants, moisture, or elements that lead to oxidation and corrosion. Use as a dielectric paste on low voltage electrical parts where arcing and oxidation may occur and as a heat transfer membrane between heat-sinks.

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## Typical Performance Properties

**Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.**

TESTS	ASTM TEST METHOD	RESULTS
N.L.G.I. Grade	-----	3
Penetration Worked	ASTM D-217	220 - 250
Flash Point, EF	ASTM D-92	570
Dropping Point, EF	ASTM D-566	None
Pour Point, EF	ASTM D-67	-55
Water Washout, %	ASTM D-1264	0.25
Dielectric Strength, @ 25EC, volts/mil	-----	800
Specific Gravity, @ 25EC	-----	.97

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## Directions for Use

1. Thoroughly clean the surfaces to be lubricated. Remove all dirt, oxidation, corrosion and contaminants from flat or accessible surfaces with a 3M™ Abrasives of your choice. A final cleaning of the surfaces should be done with 3M™ Gasket Prep and Parts Cleaner, or 3M™ High Power Brake Cleaner, to aid in removal any remaining oil and dirt from the surfaces that the paste will be applied to. A clean, dry surface is needed to achieve good adhesion of the paste.
2. Brush 3M™ Silicone Paste on both sides of the surfaces to be coated or lubricated.
3. Brush out or spread the paste over the contact areas to provide a uniform film without any lumps.

**NOTE:** Replace and tighten the top when not in use to keep out contaminants.

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## Applications

### **Engines:**

Ignition Parts, distributor cam lobes, spark plug wire terminals, distributor cap terminals, distributor rotor tip, heat-sink membrane.

### **Bulb Bases:**

Tail lights, turn lights, marker lights, stop lights, convenience lights, trailer lights.

### **Brakes:**

General purpose lubricant for metal-to-rubber applications, caliper guide pins, outer caliper seals, outer wheel cylinder seals.

### **General Applications:**

Excellent for lubricating the threads of bolts & screws that thread into plastic such as: Headlight bezels, license plates, grills, fog lamps.

Use to lubricate O-rings, rubber hoses, weather-stripping, rubber chassis & steering bushings, rubber grommets, rubber & plastic hole plugs,

Seat tracks, window tracks & window regulator mechanisms

Can eliminate squeaks in instrument panels caused by plastic-to-plastic contact.

Cover battery terminals to protect from corrosion.

Use to seal electrical connections from moisture and corrosion on vehicles without weather protective connectors.

Use to lubricate tight fitting plastic & rubber parts during re-assembly.

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## Storage and Handling

Store at room temperature.

Rotate stock on a “first-in, first-out” basis. When stored at the recommended conditions in original, unopened containers, this product has a shelf life of 36 months.

If separation occurs, simply stir with the built in brush or a suitable clean stirring device.

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## Precautionary Information

Refer to Product Label and Material Safety Data Sheet for Health and Safety Information before using this product.

**NOTE:**

- This product should not be used in areas where bodily contact is possible as it can smear easily, is difficult to wash off skin, and may stain or permanently damage clothing.
- The use of lubricants on threaded fasteners can result in over-tightening due to reduced friction.

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## Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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## Product Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

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## Limitation of Liability

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## For Additional Health and Safety Information



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