



Brake Lube & Anti-Seize Compound

08945

Technical Data Sheet

October, 2011

3M Part No.(s)	3M Part Descriptor(s)
08945	3M™ Brake Lube & Anti-Seize Compound

Product Description 3M™ Brake Lube & Anti Seize Compound is a blend of fine, particle-size metals dispersed in an oil. It is designed to withstand very high temperatures, extreme pressures, and is particularly effective for preventing seizure on threaded fasteners and close fitting metal-to-metal parts. It is an ideal high viscosity lubricant for long-term applications in wet, dusty, dirty environments and extreme conditions. It has a built-in brush to make applying the product more convenient.

Features, Advantages, Benefits	Features	Advantages	Benefits
	<ul style="list-style-type: none">• Heavy Duty Lubricant• High Viscosity• Resistant to High Temperature and Loads• Metal Filled, Resists Seizing	<ul style="list-style-type: none">• Works In Extreme Environmental Conditions• Stays Put• Resists Mixing	<ul style="list-style-type: none">• Long Lasting• Minimizes Cross Contamination• Makes Your Job Easier

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	9 Oz. (255 grams)	
Chemistry	See package label or MSDS	
Specific Physical Form	Paste	
Color	Dark copper	
Odor	Petroleum odor	
Base Oil	Semi-synthetic	
Flash Point	500°F	
Specific Gravity	1.22 [Ref. Std: WATER=1]	
Solubility in Water	Nil	
Volatile Organic Compounds	0 g/l [Test Method: calculated SCAQMD rule 443.1]	
Percent Volatile	0%	
Service Temperature - °F	Constant:	-20°F to +1800°F
	Intermittent:	-40°F to +2000°F

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Product Uses

- Ideal for maintaining free & easy movement in metal-to-metal applications in outdoor mechanisms and those that are exposed to extreme environmental conditions for long periods or time.
- Numerous vehicle and nonvehicle applications: threaded fasteners, screws, nuts, bolts, hinges, hasps, pins, levers, joints, couplers, slides, shafts, grooves, guides, keys, ways, etc.
- Helps to keep disc and drum brakes assemblies lubricated and squeak free.
- Use to keep close fitting metal parts from seizing together.
- Helps to keep spark plugs from seizing in cylinder head.
- May help to keep parts from rusting.

Typical Performance Properties

TESTS	ASTM TEST METHOD	RESULTS
N.L.G.I Grade	-----	1
Penetration Unworked Worked, 60 Strokes	D-217	325 325
Base Oil Viscosity, CST @100°C CST @ 40°C	D-445 D-445	33 500
Pour Point, °F	D-97	15
Flash Point, °F	D-92	500
Dropping Point, °F	D-566	None

Operating Temperature °F (Constant) -20 to +1800

Operating Temperature °F (Intermittent) -40 to +2000

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Directions for Use

1. Thoroughly clean the surfaces to be lubricated. Remove all rust, dirt, and contaminants from flat or accessible surfaces with a 3M™ Abrasives of your choice. Reused threaded fasteners should have the threads chased with a tap or die. A final cleaning of the surfaces or threads 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 to be lubricated. A clean, dry surface is needed to achieve good adhesion of the lubricant.
2. Brush 3M™ Brake Lube & Anti-Seize Compound on both sides of the surfaces to be lubricated.
3. Brush 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.

Applications

Vehicles: Spark Plug Threads, Oxygen Sensor Threads, Exhaust System Nuts & Bolts, Metal-to-Metal Disc and Drum Brake Parts & Mechanisms, Parking Brake Mechanisms, Tie-Rod Adjusters, Cable Adjusters, Steering Stops, Window Regulators, Seat Tracks, Snow Plows, Trailer & Receiver Hitches.

General Applications: Bolts, Nuts, Screws and Other Threaded Fasteners, metal-to-metal applications: hinges, hasps, pins, levers, joints, couplers, slides, shafts, grooves, guides, keys, ways, etc.

Storage and Handling

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 brush or an appropriate clean stirring device.

A light-weight motor oil can be used to thin the consistency of the paste but will change the performance properties.

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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.

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.

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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For Additional Health and Safety Information



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