# Brake Lube & Anti-Seize Compound

## Technical Data Sheet

**3M Part No.(s)**  |  **3M Part Descriptor(s)**
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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

<table>
<thead>
<tr>
<th>Features</th>
<th>Advantages</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Heavy Duty Lubricant</td>
<td>• Works In Extreme Environmental Conditions</td>
<td>• Long Lasting</td>
</tr>
<tr>
<td>• High Viscosity</td>
<td>• Stays Put</td>
<td>• Minimizes Cross Contamination</td>
</tr>
<tr>
<td>• Resistant to High Temperature and Loads</td>
<td>• Resists Mixing</td>
<td>• Makes Your Job Easier</td>
</tr>
<tr>
<td>• Metal Filled, Resists Seizing</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## 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.*

<table>
<thead>
<tr>
<th>Container</th>
<th>10 Oz. Plastic bottle with screw top and built in brush</th>
<th>Packaged 6 bottles to a case</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Weight</td>
<td>9 Oz. (255 grams)</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>See package label or MSDS</td>
<td></td>
</tr>
<tr>
<td>Specific Physical Form</td>
<td>Paste</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Dark copper</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Petroleum odor</td>
<td></td>
</tr>
<tr>
<td>Base Oil</td>
<td>Semi-synthetic</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>500°F</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.22 [Ref. Std: WATER=1]</td>
<td></td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Nil</td>
<td></td>
</tr>
<tr>
<td>Volatile Organic Compounds</td>
<td>0 g/l [Test Method: calculated SCAQMD rule 443.1]</td>
<td></td>
</tr>
<tr>
<td>Percent Volatile</td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>Service Temperature - °F</td>
<td>Constant: -20°F to +1800°F</td>
<td>Intermittent: -40°F to +2000°F</td>
</tr>
</tbody>
</table>
3M™ Brake Lube & Anti-Seize Compound
08945

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

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

Operating Temperature °F (Constant) .................... -20 to +1800
Operating Temperature °F (Intermittent) ................ -40 to +2000
Directions for Use

1. Thoroughly clean the surfaces to be lubricated. Remove all rust, dirt, and
   contaminates 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 contaminates.

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.
## 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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