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Loctite 442-51006

Loctite C5-A Anti-Seize Lubricant User Manual

Model: 442-51006

Introduction

This manual provides essential information for the safe and effective use of Loctite C5-A Copper-Based Anti-Seize Lubricant. Please read all instructions carefully before use.

Loctite LB 8008 C5-A Copper Based Anti-Seize Lubricant is an exclusive formula that suspends copper and graphite in a high-quality grease. It is designed to protect metal parts from rust, corrosion, galling, and seizing, even at extreme temperatures up to 1800°F (980°C). This product also helps establish greater clamp load.

Safety Information

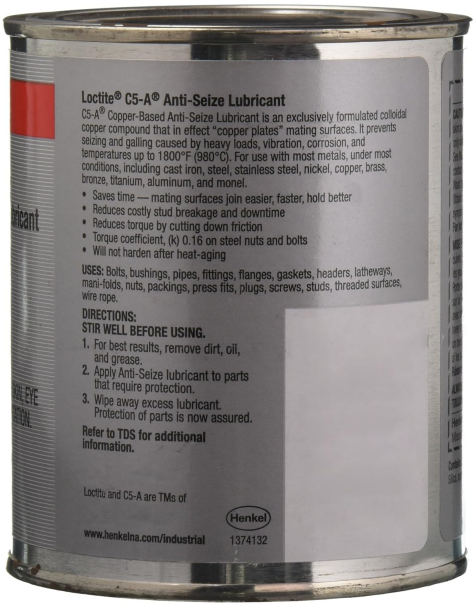
WARNING: May cause skin, eye, and respiratory irritation. Always read the side panel of the product container for complete safety information and first aid measures.

- Wear appropriate personal protective equipment (PPE), including gloves and eye protection, when handling this product.
- Use in a well-ventilated area. Avoid breathing vapors or mists.
- In case of contact with skin, wash thoroughly with soap and water.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Keep out of reach of children.
- Store in a cool, dry place away from incompatible materials.

Product Overview



Front view of the Loctite C5-A Anti-Seize Lubricant 1 lb can, showing the brand name, product type, and warning label.



Back view of the Loctite C5-A Anti-Seize Lubricant 1 lb can, detailing product benefits, uses, and application directions.



Image showing the Loctite C5-A Anti-Seize Lubricant 1 lb can with approximate dimensions (4.4 inches / 11 cm height) for size

reference.

Setup and Preparation

Proper preparation of surfaces is crucial for the optimal performance of Loctite C5-A Anti-Seize Lubricant.

1. **Ensure Clean Surfaces:** For best results, thoroughly clean the metal parts to be treated. Remove any existing dirt, oil, grease, rust, or old lubricant residues. Use a suitable degreaser if necessary and allow surfaces to dry completely.
2. **Stir Well Before Use:** The lubricant contains suspended copper and graphite particles. Before each use, stir the contents of the can thoroughly to ensure a uniform consistency and proper distribution of the active ingredients.
3. **Ventilation:** Work in a well-ventilated area to minimize exposure to vapors.
4. **Personal Protective Equipment:** Always wear appropriate gloves (e.g., nitrile or chemical-resistant) and eye protection (safety glasses or goggles) to prevent skin and eye contact.

Operating Instructions (Application)

Follow these steps for effective application of Loctite C5-A Anti-Seize Lubricant:

1. **Apply Lubricant:** Apply a thin, even coat of Loctite C5-A Anti-Seize Lubricant to the threaded surfaces, mating surfaces, or other metal parts that require protection. Ensure complete coverage of the areas prone to corrosion, galling, or seizing.
2. **Wipe Excess:** After application, wipe away any excess lubricant. A thin film is sufficient for effective protection. Excessive application is not necessary and may lead to mess.
3. **Assembly:** Proceed with the assembly of the parts as required. The lubricant will provide protection against seizing and galling, and facilitate easier disassembly in the future.
4. **Torque Coefficient:** This product has a torque coefficient (k) of 0.16 on steel nuts and bolts, which can be useful for calculating appropriate torque settings.

Common Applications:

- Bolts, bushings, pipes, fittings, flanges, gaskets
- Headers, lathewways, mani-folds, nuts, packings
- Press fits, plugs, screws, studs, threaded surfaces, wire rope

Maintenance and Storage

Proper maintenance and storage will ensure the longevity and effectiveness of your Loctite C5-A Anti-Seize Lubricant.

- **Container Sealing:** After each use, ensure the can is tightly sealed to prevent contamination and drying out of the product.
- **Storage Conditions:** Store the product in its original container in a cool, dry, and well-ventilated area. Avoid extreme temperatures.
- **Shelf Life:** The product will not harden after heat-aging, but it is recommended to use within its specified shelf life if indicated on the packaging.
- **Disposal:** Dispose of used lubricant and empty containers according to local regulations. Do not pour down drains or dispose of with household waste.

Troubleshooting

This section addresses common issues and solutions related to the use of Loctite C5-A Anti-Seize Lubricant.

Problem	Possible Cause	Solution
Product appears separated or inconsistent.	Settling of copper and graphite particles.	Stir the product thoroughly before use until a uniform consistency is achieved.
Parts still seize or gall after application.	Insufficient surface preparation or inadequate application.	Ensure surfaces are completely clean and dry before application. Apply a thin, even coat covering all critical areas. Re-evaluate the application process.
Skin or eye irritation after handling.	Direct contact with the product.	Always wear appropriate PPE (gloves, eye protection). In case of contact, follow first aid instructions on the product label and seek medical attention if irritation persists.

Specifications

- **Product Name:** Loctite C5-A Copper-Based Anti-Seize Lubricant
- **Model Number:** 442-51006
- **Part Number:** 51006
- **Size:** 1 lb (453.6 g) Can
- **Color:** Copper
- **Temperature Rating:** -20°F to 1800°F (-29°C to 982°C)
- **Base:** Copper and Graphite suspended in high-quality grease
- **Odor:** Mild
- **Torque Coefficient (k):** 0.16 (on steel nuts and bolts)
- **Material Composition:** Graphite, Calcium Dihydroxide, Mineral Oil Light Naphthenic Hydrotreat. <3% DMSO, Distillates (petroleum), Hydrotreated Heavy Naphthenic, Copper, Quartz(Sio2)
- **Country of Origin:** United States

Warranty Information

Loctite products are manufactured to high-quality standards. For specific warranty details, please refer to the official Loctite website or contact Loctite customer support. General product warranties typically cover manufacturing defects. **Return Policy:** The buybox winner indicates a 30-day refund/replacement return policy. Please check with your specific retailer for their return policy.

Support and Contact

For technical assistance, product data sheets (TDS), safety data sheets (SDS), or further inquiries, please contact Loctite directly.

- **Manufacturer:** Loctite (a brand of Henkel)
- **Official Website:** www.henkelna.com/industrial
- **Amazon Brand Store:** Visit the Loctite Store on Amazon
- Refer to the product packaging for any specific contact numbers or regional support information.

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