Loctite RSH-079340-22231

LOCTITE 222MS Purple Threadlocker User Manual

Model: RSH-079340-22231

1. Product Overview

The LOCTITE 222MS is a low-strength, thixotropic, purple anaerobic threadlocker designed for locking and sealing threaded fasteners that require easy disassembly with standard hand tools. This product is suitable for applications on small fasteners where controlled torque is required. It prevents loosening from vibration and shock.



Image of the LOCTITE 222MS Purple Threadlocker in a 50 ML bottle, featuring the product label and applicator tip.

2. Safety Information

Always read the Material Safety Data Sheet (MSDS) for complete safety information before handling this product. The MSDS is available from your local Loctite representative or online.

General Precautions:

- **Ventilation:** Use in a well-ventilated area.
- **Skin Contact:** Avoid contact with skin. If contact occurs, wash thoroughly with soap and water.
- **Eye Contact:** Avoid contact with eyes. In case of contact, flush immediately with plenty of water for at least 15 minutes and seek medical attention.
- **Ingestion:** Do not ingest. If swallowed, do not induce vomiting. Seek medical attention immediately.
- **Storage:** Store in a cool, dry place away from direct sunlight and heat sources. Keep container tightly closed when not in use.

3. Setup and Preparation

Surface Preparation:

1. Ensure all surfaces to be bonded are clean, dry, and free from oil, grease, and other contaminants.
2. For best results, clean parts with a suitable Loctite cleaning solvent and allow to dry completely.
3. No primer is typically required for active metals (e.g., brass, copper) or passive metals (e.g., stainless steel, aluminum) where cure speed is not critical.

Product Preparation:

- Shake the product bottle thoroughly before use.
- Remove the cap and cut the nozzle tip to the desired bead size.

4. Operating Instructions

Application:

1. For **Through Holes:** Apply several drops of the product onto the bolt at the nut engagement area.
2. For **Blind Holes:** Apply several drops down the internal threads to the bottom of the hole.
3. For **Sealing Applications:** Apply a 360° bead of product to the leading thread of the male component, leaving the first thread free. Distribute the product to fill the mating threads completely.

Assembly:

- Assemble parts and tighten to the recommended torque.
- The product cures when confined in the absence of air between close-fitting metal surfaces.

Cure Time:

- **Fixture Time:** Typically 20 minutes on steel.
- **Full Cure:** Approximately 24 hours for maximum strength.

Disassembly:

- Due to its low strength, fasteners can typically be disassembled using standard hand tools.

5. Maintenance

This product is a single-use adhesive for threaded fasteners. Maintenance primarily involves proper storage of the product itself.

- After use, immediately replace the cap to prevent contamination and premature curing of the product in the nozzle.
- Store the bottle upright in its original container in a cool, dry place (typically 8°C to 21°C / 46°F to 70°F).
- Do not return used product to the original container.

6. Troubleshooting

Product Not Curing:

- **Improper Surface Preparation:** Ensure surfaces are clean and dry. Contaminants can inhibit cure.
- **Lack of Active Metal Ions:** Anaerobic adhesives cure in the presence of metal ions and absence of air. If one of the substrates is plastic or a very passive metal, cure may be slow. Using an activator (e.g., Loctite SF 7649) can accelerate cure.
- **Temperature:** Curing is slower at lower temperatures. Ensure application is within recommended temperature ranges (typically 20°C to 25°C / 68°F to 77°F).
- **Excessive Gap:** Anaerobic adhesives are designed for close-fitting parts. Large gaps can prevent proper curing.

Difficulty Disassembling:

- LOCTITE 222MS is a low-strength threadlocker designed for easy disassembly. If difficulty is encountered, ensure the correct product was used.
- For stronger threadlockers, localized heat (e.g., 250°C / 482°F) may be required to soften the adhesive before disassembly. This is generally not necessary for 222MS.

7. Specifications

Specification	Detail
Product Name	LOCTITE 222MS THREADLOCKER
Color	Purple
Strength	Low
Volume	50 Milliliters
Model Number	RSH-079340-22231
IDH	135334
UPC	79340222311
Manufacturer	Loctite
Package Type	Bottle
First Available Date	December 30, 2019

8. Warranty and Support

For specific warranty information regarding the LOCTITE 222MS Threadlocker, please refer to the official Loctite website or contact your authorized Loctite distributor or seller directly. Warranty terms can vary based on region and purchase conditions.
For technical support, product inquiries, or safety data sheets, please visit the official Loctite website or contact their customer service department. Contact information is typically available on the product packaging or the manufacturer's website.

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