



## 23 Purple™

### Thread Locker LOW STRENGTH

ADHESIVE R&D®'s anaerobic adhesives and sealants represent the latest generation in anaerobic chemistry. Anaerobic threadlockers remain liquid when they are exposed to the oxygen in air, but in the lack of air, (or anaerobic environment) these products quickly polymerize and fill the inner space between the surfaces. In a continuous quest to improve the performance of anaerobic adhesive's and sealants, ADHESIVE R&D® works with leading edge engineers to push the chemistry forward, to increase cure speeds and bond strengths, and to design products that are able to cure on contaminated or inert surfaces and yet remain stable without special handling.

**23 PURPLE™** is a thixotropic low strength threadlocker. It is ideal for use on small fasteners. Because it is thixotropic, **23 PURPLE™** will wet the surface of small threads and insure a complete seal of the thread path, while resisting run off prior to assembly. **23 PURPLE™** is designed to provide predictable lubricity which results in the same torque tension relationship achieved with as-received fasteners.

\* Locking torque Per ASTM D5363 Specification.  
3/8-16 plain finish cap screws and nuts.  
Larger fasteners will increase surface area and breakaway torque.

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### Physical Properties

Composition Anaerobic Methacrylates  
Color Purple  
Viscosity 2000-10,000 cps  
Specific Weight 1.05  
Flash Point >200°F  
Solvent Content None  
Shelf Life @ 72°F 2 years

### Curing Properties

Handling 15 minutes  
Functional Cure Time 1-2 hours  
Full Cure 8-10 hours  
Locking Torque\*  
Breakaway 50-130 inch lb's  
Prevailing 20-50 inch lb's  
  
Temperature Range 300°F