

## Dripstop<sup>®</sup> 945

### Product Description

**Heron<sup>®</sup> Dripstop<sup>®</sup> 945** is a high-performance adhesive/sealant specifically formulated for the sealing and mild locking of hydraulic and pneumatic threaded parts used with hydraulic and pneumatic equipment. **Dripstop<sup>®</sup> 945** will seal pipe threads, standard nuts and bolts, fittings for hydraulic and pneumatic systems, air conditioners, fittings for refrigeration equipment, and all types of water and chemical processing valves and equipment, including steam up to 350°F.

**Dripstop<sup>®</sup> 945** is a single component, anaerobic adhesive/sealant, which will provide a rapid cure at room temperature. Upon cure, **Dripstop<sup>®</sup> 945** becomes a highly crosslinked thermoset plastic preventing leakage from shock, vibration as well as corrosive liquids and atmospheres.

### Product Benefits

- Effectively seals a wide range of industrial fluids and gases.
- Does not shrink or crack due to solvent evaporation. (100% solid system)
- Ready to use, single component.
- Room temperature cure.
- **Dripstop<sup>®</sup> 945**, in a liquid state, completely disperses in most hydraulic fluids.

### Typical Properties (Uncured)

Property	Value
Resin	Dimethacrylate ester
Appearance	Brown liquid
Viscosity @ 25°C, cP	450 to 600
Specific gravity	1.06
Flash point	See SDS

### Typical Cured Performance

Cured for 24 hours at 22°C  
Breakaway Torque was measured.  
3/8 x 24 Steel Grade 2 Nuts and Grade 2 Bolts  
ASTM D5363

Cure Time at 22°C	Torque	Value (in-lb)
24 Hours	Breakaway	30-40
	Prevail	15-20

### Typical Environmental Resistance

Cured for 24 hours @ 22°C  
Breakaway Torque  
3/8 x 24 Steel Grade 2 Nuts and Grade 2 Bolts

### Chemical/Solvent Resistance

Aged 720 hours at conditions indicated, tested at 22°C.

Chemical/Solvent	°C	% of Initial Strength
Motor oil	87	≥120
Unleaded Gasoline	22	100
Phosphate Ester	87	100
Air	22	≥150
Air	87	≥150
Distilled Water	87	≥120
Automatic Transmission Fluid	87	≥120
Brake Fluid	87	100

### General Information

**This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.**

**For safe handling information on this product, consult the Safety Data Sheet (SDS).**

Where aqueous washing systems are used to clean the surfaces before bonding, it is important to check for compatibility of the washing solution with the adhesive. In some case these aqueous washes can affect the cue and performance of the adhesive.

This product is not normally recommended for use on plastics (particularly thermoplastic materials where stress cracking of the plastic could result). It is recommended to confirm compatibility of the product with such substrates.

## Directions for use

### For Assembly

1. For best results, clean all surfaces (external and internal) with **Hernon® Cleaner 62** and allow to dry.
2. If the material is an inactive metal or the cure speed is too slow, spray with **Primer 49 or 50** and allow to dry.
3. Apply a 360° bead of product to the leading threads of the male fitting, leaving the first thread free. Force the material into the threads to thoroughly fill the voids. For bigger threads and voids, adjust product amount accordingly and apply a 360° bead of product on the female threads also.
4. Using accepted trade practices, assemble and wrench tighten fittings until proper alignment is obtained.
5. Properly tightened fittings will seal instantly to moderate pressures. For maximum pressure resistance and solvent resistance allow the product to cure a minimum of 24 hours.

### For Disassembly

1. Remove with standard hand tools.
2. Where hand tools do not work because of excessive engagement length or large diameters (over 1"), apply localized heat to approximately 250°C. Disassemble while hot.

### For Cleanup

1. Cured product can be removed with a combination of soaking in **Hernon® Cleaner 62** and mechanical abrasion such as a wire brush.

## Storage

**Dripstop® 945** should be stored in a cool, dry location in unopened containers at a temperature between 45°F to 85°F (7°C to 29°C) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused material, do not return any material to its original container.

## Dispensing Equipment

**Hernon®** offers a complete line of semi and fully automated dispensing equipment. Contact **Hernon® Sales** for additional information.

These suggestions and data are based on information we believe to be reliable and accurate, but no guarantee of their accuracy is made. HERNON MANUFACTURING®, INC. shall not be liable for any damage, loss or injury, direct or consequential arising out of the use or the inability to use the product. In every case, we urge and recommend that purchasers, before using any product in full scale production, make their own tests to determine whether the product is of satisfactory quality and suitability for their operations, and the user assumes all risk and liability whatsoever, in connection therewith. Hernon's Quality Management System for the design and manufacture of high-performance adhesives and sealants is registered to the ISO 9001 Quality Standard.