

Technical Data Sheet Dripstop[®] 950

February 2021

Page 1 of 2

Product Description

Hernon[®] Dripstop[®] 950 is a non-hardening, non-curing pipe joint & thread sealant that is highly recommended where oxygen, aggressive chemicals, such as chlorine or powerful oxidizers, are present. It is a high-density inert thread sealant and lubricant, specially formulated for severe high-pressure applications.

This sealant is odorless, non-corrosive and hydrophobic. It is totally non-migrating and remains where it is applied. It is ideal for use in repetitive assembly and where disassembly is required, even after long periods of time. It can seal up to 10,000 psi on ¼" NPT threads.

Dripstop[®] 950 has been tested for impact sensitivity with liquid oxygen, according to standard NF EN 1797-1. No reaction was observed. (100J, 20drops)

Dripstop[®] 950 has also been tested for Autogenous ignition test up to 500°C, no reaction was observed. (EN ISO 11114-3 and EN 1797-1).

Product Benefits

- Non-Flammable
- Chemically Inert
- Non-Toxic
- Stable to 450°F
- Will Not Burn
- Will Not Melt
- Non-Migrating
- Lasts Indefinitely
- Excellent Anti-seize Properties
- High Dielectric Strength
- High Density
- Non-Corrosive
- Odorless
- Lasts Indefinitely
- Contains No Silicone or Hydrocarbons
- Low turning torque, easily sheared

Typical Applications

- Assembly lubricant
- Bearing lubricant
- Breathing apparatus
- Chlorine systems
- Cryogenics
- Diving gear
- Fluorination of plastic bottles
- Hospitals/oxygen and nitrous oxide systems

- Hydrogen peroxide and ozone systems
- Hyperbaric oxygen chambers
- Instruments
- Medical equipment
- Oil drilling/H₂S service
- Plasma etching equipment
- Pulp and paper processing (safe with all chemicals used in pulp bleaching)
- Steel furnace oxygen lances
- Tabletization of pool chemicals
- Thread sealants
- Waste-water processing (safe water-treatment chemicals used in chlorinators, pumps, valves)
- Water Fluoridation systems
- Welding
- Many other industrial uses

Typical Properties

Property	Value
Appearance	Light green
Viscosity @ 25°C, cP	(1) 960,000 to 1,155,000
	(2) 4,000,000 to 6,880,000
Specific gravity	1.98
Flash point	See SDS

Chemical Compatibility

Dripstop[®] 950 is compatible with many aggressive chemicals including:

- Aluminum chloride
- Aluminum nitrate
- Ammonium nitrate
- Ammonium perchlorate
- Ammonium trichloride
- Boron trichloride
- Boron trifluoride
- Bromine
- Bromine trifluoride (gas)
- Calcium hypochlorite
- Carbon dioxide
- Chlorinated cyanurates
- Chlorine
- Chlorine dioxide
- Chlorine trifluoride (gas)
- Chlorosilanes
- Chlorosulfonic acid
- Chromic acid
- Hydro fluorosilicate
- Hydroiodic acid
- Iodine
- Muriatic acid
- Nitrogen oxides (all)
- Nitrogen trifluoride
- Oleum
- Oxygen (liquid and gas)
- Ozone
- Phosphoric acid
- Phosphorous oxychloride
- Potassium perchlorate
- Potassium persulfate
- Propylene oxide
- Silane
- Silicone tetrachloride
- Sodium
- Sodium hydroxide

- Chromyl nitrate
- Ethylene oxide
- Fluorine (gaseous)
- Fuming nitric oxide
- Hydrogen
- Hydrogen bromide
- Hydrogen fluoride
- Hydrogen peroxide
- Hydrogen sulfide
- Sodium hypochlorite
- Sodium perchlorate
- Sulfur dioxide
- Sulfur hexafluoride
- Sulfur trioxide
- Sulfuric acid
- Thionyl chloride
- Titanium tetrachloride
- Uranium hexafluoride

General Information

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

Storage

Dripstop® 950 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.

The maximum safe operating temperature recommended is 204°C (400°F) and the maximum short-term temperature recommended is 260°C (500°F).

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.