

Technical Data Sheet EF[®] Cleaner 62

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Product Description

Hernon[®] EF[®] Cleaner 62 is a non-aqueous, hydrocarbon based, non-CFC industrial solvent which removes oil and grease completely. This cleaning solvent prepares the surface for bonding with **Hernon[®]** Adhesives and Sealants.

EF[®] Cleaner 62 is recommended for final cleaning prior to assembling parts with **Hernon[®]** Adhesives and Sealants. It is not recommended for cleaning (flushing) equipment or for cleaning printed circuit boards and printed circuit assemblies.

Typical Properties

Property	Value
Chemical Type	Hydrocarbon blend
Appearance	Clear, colorless liquid
Specific Gravity @ 25°C	0.78
% Aromatics	< 1
Drying Time, No Wipe	5 to 20 minutes
Drying Time, Post Wipe (dry cloth)	1 to 2 minutes
Flash Point	See MSDS

Typical Performance

EF[®] Cleaner 62 has no effect on the speed of cure or final strength of **Hernon[®]** adhesives other than providing a clean surface for good adhesion and adhesive cure. Unclean or partially cleaned surfaces can affect adhesive performance.

Compatability

EF[®] Cleaner 62 is compatible with metals, many plastics and elastomers. The following tables show the effect of **EF[®] Cleaner 62** on various plastics and elastomers. Since compatibility is affected by material variation, it is recommended to check parts and cleaning equipment gaskets, seals and O-rings under end use conditions before adopting use of **EF[®] Cleaner 62**

Compatability was determined in accordance with ASTM D543. All specimens were weighed 30 minutes after removal from solvent.

Compatibility with Plastics

NC = No Change

Plastic	30 mins. at 22°C		30 mins. at 38°C	
	% Wt. Change	Visual Change	% Wt. Change	Visual Change
ABS	+ 0.05	NC	0	NC
Acrylic	+ 0.11	NC	+ 0.04	NC
Polyacetal	+ 0.02	NC	+ 0.01	NC
G-10 Epoxy	+ 0.01	NC	+ 0.01	NC
Nylon 101	+ 0.14	NC	+ 0.05	NC
Nylon 66	+ 0.04	NC	+ 0.02	NC
Polycarbonate	+ 0.07	NC	+ 0.03	NC
Phenolic	+ 0.21	NC	+ 0.13	NC
Polyethylene (HD)	+ 0.05	NC	+ 0.10	NC
Polyethylene (LD)	+ 0.11	NC	+ 0.39	NC
Polypropylene	+ 0.06	NC	+ 0.10	NC
Polystyrene (High Impact)	+ 0.13	NC	+ 0.28	NC
Polystyrene	+ 0.13	NC	+ 0.03	NC
Polysulfone	+ 0.05	NC	+ 0.03	NC
PVC	+ 0.03	NC	+ 0.03	NC
Polytetrafluoroethylene	+ 0.02	NC	+ 0.01	NC
Polyetherimide	+ 0.09	NC	+ 2.70	NC
Polybutyleneterephthalate	+ 0.05	NC	+ 0.04	NC

Compatibility with Elastomers

S = Swelling
SS = Slight Swelling

Elastomer	30 mins. at 22°C		30 mins. at 38°C	
	% Wt. Change	Visual Change	% Wt. Change	Visual Change
Buna-N	+ 0.90	SS	+ 2.50	S
Buna-S	+ 0.48	SS	+ 1.10	SS
Butyl	+ 5.53	S	+ 8.20	S
EPDM	+ 5.23	S	+ 12.0	S
Neoprene	+ 1.08	SS	+ 2.30	S
Polyurethane	+ 0.07	SS	+ 0.07	SS
Silicone	+ 10.8	S	+ 13.8	S
Fluoroelastomer	+ 1.08	SS	0	SS

Handling Precautions

Cleaner must be handled in a manner applicable to combustible materials and in compliance with relevant local regulations.

Special care must be taken to avoid contact of the product or its vapour with naked flame or any electrical equipment that is not flame proofed.

The solvent can affect certain plastics or coatings. It is recommended to check all surfaces for compatibility before use.

General Information

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

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

Directions For Use

1. Spray area generously with **EF® Cleaner 62**.
2. Wipe surfaces when still wet with a clean cloth to remove all heavy contamination. If necessary, spray surfaces again to allow run-off of product.
3. Allow **EF® Cleaner 62** to fully evaporate from parts prior to bonding to avoid solvent entrapment within the bond joint.
4. Apply the **Hernon®** adhesive immediately after drying and assemble bond.

Storage

EF® Cleaner 62 is classified as combustible and must be stored in an appropriate manner in compliance with relevant regulations. Do not store near oxidizing agents or combustible materials. Store product in the unopened container in a cool, dry location at a temperature between 46°F to 82°F (8°C to 28°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 ISO9001 Quality Standard.