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Permatex 80036

Permatex 80036 Valve Grinding Compound Instruction Manual

Model: 80036

INTRODUCTION

The Permatex 80036 Valve Grinding Compound is designed to facilitate valve grinding and seating operations. It effectively removes burrs, surface defects, carbon, gum, and corrosion from metal surfaces. This compound mixes with water to form an easy-to-use paste, suitable for lapping and grinding various components, including chromium.

PRODUCT OVERVIEW

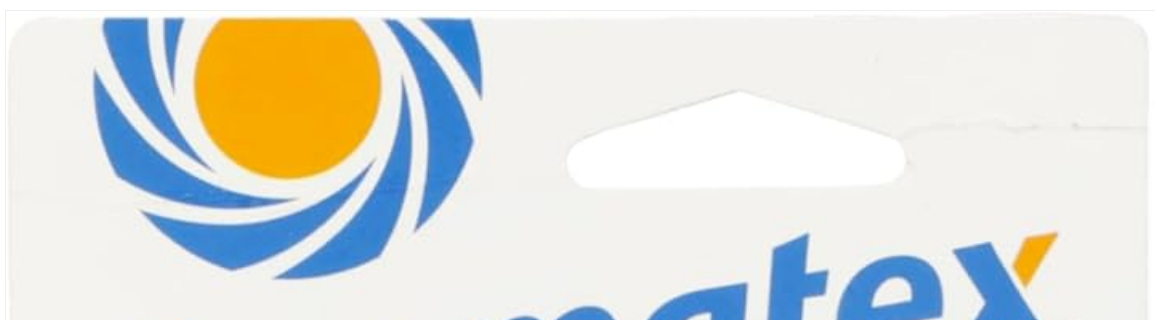
This 1.5 oz (42 g) tube of valve grinding compound is a non-hardening formula that provides a consistent abrasive action. It is ideal for achieving a precise fit and seal between mating metal surfaces.

Key Features:

- Aids valve grinding and seating operations.
- Mixes with water to form an easy-to-use paste.
- Can be used for lapping and grinding chromium.
- Removes burrs, surface defects, carbon, gum, and corrosion.
- Suitable for seating valves and sharpening reel-type lawnmowers.

What's in the Box:

- One (1) tube of Permatex 80036 Valve Grinding Compound, 1.5 oz.



Permatex®

Valve Grinding Compound

Compuesto para el Esmerilado de Válvulas

- For Use in Hand or Machine Grinding Operations
- Removes Surface Defects, Burrs, Corrosion, etc.
- Mixes with Water to Form an Easy to Use Paste

80036

NET WT. 1.5 OZ.
CONT. NET. 42 g

WARNING: HARMFUL IF SWALLOWED. Read carefully other cautions on back panel.

ATENCIÓN: NOCIVO POR INGESTIÓN. Lea las precauciones al reverso.

Valve Grinding Compound
80036



Permatex

NET WT. 1.5 OZ. / CONT. NET. 42 g

Image: Front view of Permatex 80036 Valve Grinding Compound in its retail packaging, highlighting the product name and key features.

SAFETY INFORMATION

WARNING: Harmful if swallowed. May cause cancer.

Contains: Ethyl-2-Cyanoacrylate.

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink, or smoke when using this product.

Response:

- **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- **IF ON SKIN:** Wash with plenty of soap and water.
- **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- **IF SWALLOWED:** Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents/container to an approved waste disposal plant.

For more information, visit: www.P65Warnings.ca.gov



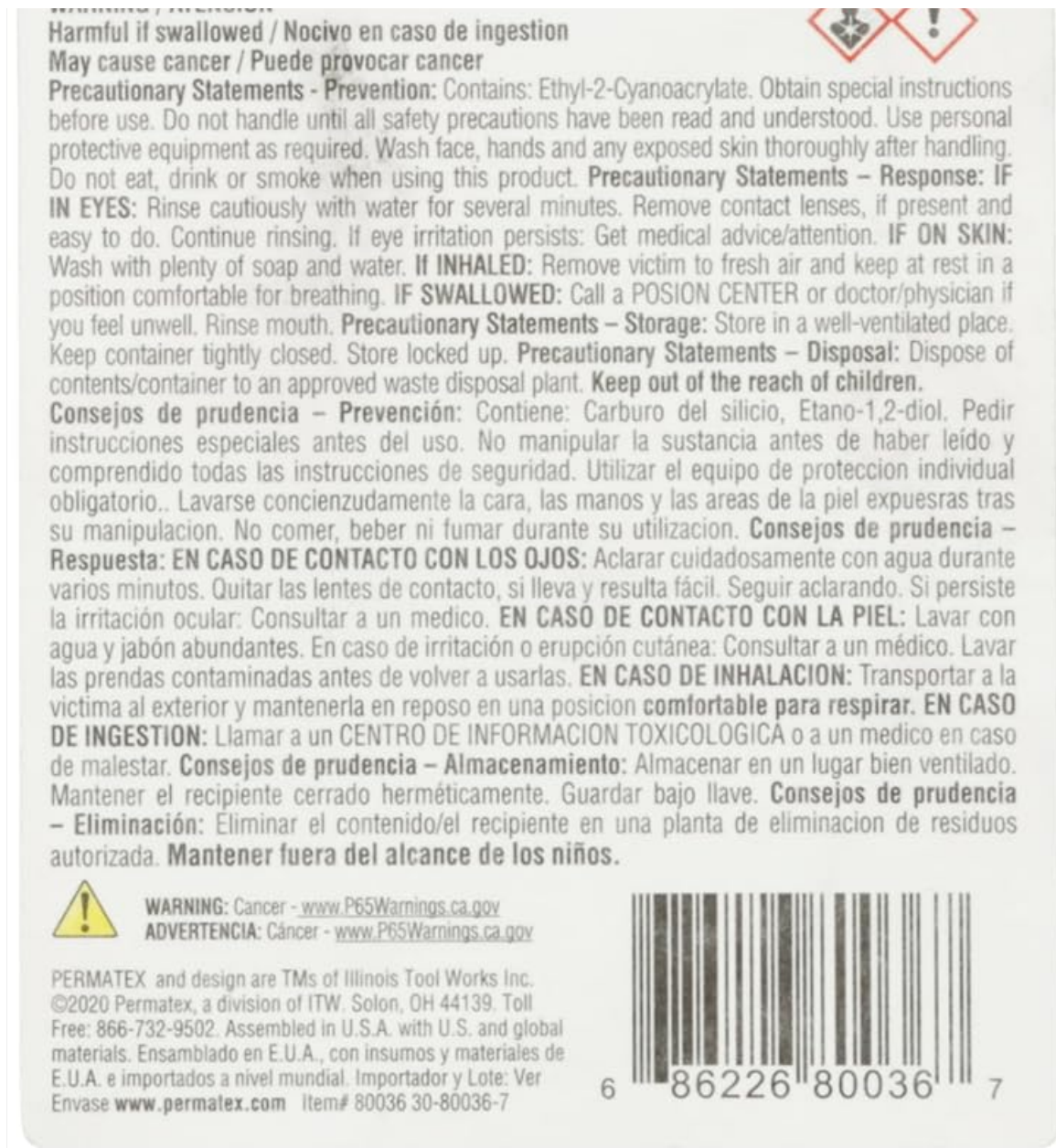


Image: Rear view of the Permatex 80036 packaging, displaying important safety warnings and usage instructions.

PREPARATION

Before beginning any grinding or lapping operation, ensure all components are thoroughly cleaned. Remove any existing carbon, gum, or corrosion. For valve grinding, ensure the valve stem is lubricated to prevent scoring during the process.





Image: Side view of the Permatex 80036 packaging, showing additional product details and application notes.

OPERATING INSTRUCTIONS: VALVE GRINDING

1. **Apply Compound:** Apply a small amount of Permatex Valve Grinding Compound to the face of the valve. Spread it evenly around the valve face. Avoid applying too much compound to prevent slinging during operation.
2. **Insert Valve:** Carefully insert the lubricated valve into its corresponding valve guide in the cylinder head.
3. **Grind Valve:** Using a valve lapping tool (or a drill at medium to low speed attached to the valve stem), rotate the valve back and forth against its seat. The compound will initially feel coarse and then become smoother as the grinding progresses.
4. **Inspect Valve and Seat:** Periodically remove the valve and inspect both the valve face and the valve seat for an even, consistent mating surface. The compound starts as a coarse 120 grit and grinds down to a fine 220 grit.
5. **Repeat if Necessary:** Continue the grinding process until the desired mating surface results are obtained. If the compound becomes too thick, add a few drops of water to thin it.
6. **Clean Thoroughly:** After achieving the desired finish, clean all excess compound from the valve and the cylinder head thoroughly before assembly. Ensure no abrasive particles remain.

Note: The goal is to achieve a uniform, dull gray band around the valve face and seat, indicating a proper seal.

OPERATING INSTRUCTIONS: FLYWHEEL SEATING

The Permatex Valve Grinding Compound can also be used to scuff up and mate flywheels for improved seating.

1. **Prepare Surfaces:** Ensure the flywheel and crankshaft mating surfaces are clean and free of debris.
2. **Apply Compound:** Apply a thin, even layer of the grinding compound to the mating surface of the flywheel.
3. **Seat Flywheel:** Carefully place the flywheel onto the crankshaft.
4. **Rotate and Mate:** Rotate the flywheel back and forth against the crankshaft surface. This action will scuff the surfaces, allowing them to mate properly.
5. **Clean Thoroughly:** Once a satisfactory mating surface is achieved, thoroughly clean all compound from both the flywheel and crankshaft before final assembly.

MAINTENANCE

After each use, ensure the cap is securely replaced on the tube to prevent the compound from drying out. Store the tube in a cool, dry, and well-ventilated area, away from direct sunlight and extreme temperatures. Proper storage will maintain the compound's consistency and effectiveness for future use.

TROUBLESHOOTING

Compound is too thick:

If the compound becomes too thick or difficult to spread, add a few drops of water and mix thoroughly to achieve the desired paste consistency.

Uneven grinding results:

Ensure consistent pressure and rotation when grinding. If using a manual lapping tool, vary the rotation direction. If using a drill, maintain a medium to low speed and avoid excessive pressure, which can lead to uneven wear.

Compound not cutting effectively:

Verify that the surfaces are clean before applying the compound. Excessive oil, grease, or debris can reduce the compound's abrasive action. Ensure sufficient compound is applied to the contact area.

SPECIFICATIONS

Attribute	Detail
Brand	Permatex
Model Number	80036
Item Weight	0.8 Ounces (Product only), 1.5 Ounces (Net Weight)
Product Dimensions	1.13 x 3.81 x 8 inches
Grit Number	Starts at 120, grinds down to 220
UPC	0686226800367
Country of Origin	China

WARRANTY & SUPPORT

For information regarding product warranty, technical support, or customer service, please contact Permatex directly through their official website or customer service channels. Keep your purchase receipt for any warranty claims.

Visit the Permatex Store: [Permatex Amazon Store](#)