



# Technical Data Sheet



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# AMAZING GOOP® AUTOMOTIVE ADHESIVE

## PRODUCT DESCRIPTION

AMAZING GOOP® AUTOMOTIVE is scientifically formulated to permanently seal a variety of materials used in and around automobiles.

## WHERE TO USE / APPLICATIONS

Use in and around automobiles to stop tears in vinyl seats, floor mats and convertible tops. AMAZING GOOP® AUTOMOTIVE can also coat terminals on batteries.

## FEATURES AND BENEFITS

**FLEXIBLE** – does not become brittle in cold weather

**CHEMICAL RESISTANT** – safe for applications exposed to dilute acids and dilute caustics

**ABRASION RESISTANT** – great for bonding objects subject to normal wear

**WATERPROOF** – can be submerged in fresh and salt water after complete cure

## TECHNICAL INFORMATION

PROPERTIES	
UNCURED MATERIAL	
Color:	Clear
VOC:	475 grams/liter
Solvent:	Toluene, Petroleum Distillates (flammable)
Density:	7.4 lbs/gal
Solids:	45% by weight, 42% by volume
Viscosity:	100,000 cps
Tack time:	2 minutes
Set time:	45 minutes*
Full cure time:	Thin film: 24 hours / Thick film: 48-72 hours
Storage:	Ideal temperature range: 50 to 80 °F (10 and 27 °C). Product may thicken when stored in colder temperatures but will not freeze. If product thickens from colder temperatures, warm to room temperature before use.
Freeze/thaw stability:	Stable, allow product to warm to room temperature before using
Shelf life:	2 years (unopened)

\*Depending on material, humidity and temperature.

CURED MATERIAL	
Chemical resistance:	Excellent to water, dilute acids & bases
UV resistance:	None; paint-over for UV resistance
Hardness:	80 Shore A
Dielectric strength:	400V/mil (ASTM D-149); this is the maximum voltage that can be applied to a given material without causing it to break down
Tensile strength:	3800 lb/in <sup>2</sup> (ASTM D-412)
Elongation:	900% (ASTM D-412)
Service temperature:	-40 to 150 °F (-40 to 66 °C)
Paint-over time:	24 hours



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## CHEMICALS THAT HAVE LITTLE OR NO EFFECT ON AMAZING GOOP®

- Acetic acid (5% and 10%)
- Ammonium hydroxide (3.4%)
- Ammonium nitrate (50%)
- Antifreeze
- Beer (3.2% alcohol by volume)
- Boric acid (3.1%)
- Distilled water
- Hydraulic oil
- Lactic acid (3.8%)
- Milk (fresh, tested at 40 °F)
- Motor oil (30w)
- Nitric acid (10% and 20%)
- Oxalic acid (3.1%)
- Phosphoric acid (30% and 60% as P<sub>2</sub>O<sub>5</sub>)
- Potassium hydroxide (3.4%)
- Sodium carbonates (2.7%)
- Sodium chloride (10%)
- Sulfuric acid (3% and 10%)
- Wine (20% alcohol by volume)

AMAZING GOOP® exhibits excellent resistance to water, dilute acids and dilute bases. Thin films of GOOP were immersed in various chemicals for two weeks and exhibited weight gains of less than 2% and tensile strength loss of less than 10%. These chemicals are listed on the left. All percentages are given by weight unless otherwise noted.

## SOLVENTS THAT DISSOLVE AMAZING GOOP®

- Chevron solvent 1100
- Chlorothane NU
- Cyclohexane
- Gasoline
- Methylene chloride
- Perchloroethylene
- Propyl acetate
- Toluene
- 1, 1, 1-Trichloroethane

These are common solvents that dissolve AMAZING GOOP® when hardened samples were immersed. The dissolution with these solvents was not instantaneous and therefore does not preclude usage in all cases. Applications were an occasional splash or brief exposure is expected may be acceptable. Test a small area before full use.

## DIRECTIONS and APPLICATION NOTES

Read directions and test small area before use. Use pointer cap to break seal on tube. **DO NOT SQUEEZE TUBE TO FORCE OPENING.**

- Step 1 Surface should be clean, dry and free of dirt. Roughen surface for optimum adhesion.
- Step 2 Product can be used between 50 and 90 °F / 10 and 32 °C.
- Step 3 Apply directly to each surface to be bonded or repaired. Allow to partially cure, approximately 2 minutes before mating surfaces. Hardens by solvent evaporation and forms an immediate bond that is difficult to reposition after both adhesive-coated surfaces are placed in contact with each other and sufficient pressure is exerted to establish full contact.
- Step 4 Allow repair to dry for 24 hours. Depending on the materials and temperature, maximum strength may not be reached for 48 to 72 hours.
- Step 5 For future easy cap removal, apply a thin coat of petroleum jelly to the threads of the tube before replacing the cap.
- Step 6 Clean uncured adhesive with acetone or citrus-based solvents. Cured material may be removed by cutting or scraping.

For technical assistance, call 800.767.4667.

- Please read all directions before using. Use in well-ventilated area.
- May damage finished surfaces. Avoid such contact until completely dry. Not recommended for use on polystyrene, polyethylene, polypropylene, Styrofoam™ or paper products, and any items that come into contact with food, drinking water or animals.
- **DO NOT** dry-clean GOOP because dry cleaning solvent breaks down the cured adhesive.



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**AMAZING GOOP<sup>®</sup>**  
AUTOMOTIVE ADHESIVE

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**HEALTH and SAFETY**

This product contains toluene and petroleum distillate. Before working with this product, read and become familiar with information concerning hazards, proper use and handling. MSDS is available on line at: [eclecticproducts.com/\\_msds/amazinggoop\\_english\\_clear.pdf](http://eclecticproducts.com/_msds/amazinggoop_english_clear.pdf); [eclecticproducts.com/\\_msds/amazinggoop\\_spanish\\_clear.pdf](http://eclecticproducts.com/_msds/amazinggoop_spanish_clear.pdf); to request a hard copy of the MSDS, please send an e-mail to [msds@eclecticproducts.com](mailto:msds@eclecticproducts.com) or call 800.333.9826.

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**LIMITED WARRANTY**

The product is warranted against any defect in materials or workmanship under normal use for a period of 180 days after the date of purchase. The product is also warranted under any implied warranties provided under applicable state law, including, without limitation, the implied warranty of merchantability and the implied warranty of fitness for a particular purpose, for a period of 180 days after the date of purchase. This warranty covers only the original buyer of the product. For warranty service, the buyer should contact the store where the product was purchased, or write Eclectic Products, Inc., P.O. Box 4450, Pineville LA 71361 or call 800.767.4667. This warranty gives you specific legal rights, and you also have other rights, which vary from state to state.