



TECHNICAL DATA SHEET



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DESCRIPTION:

Loctite® Super Glue ULTRA Gel Control® is a specially formulated rubber toughened instant adhesive that resists impact, shock, vibration and temperature extremes. It is ideal for bonds subject to daily use and harsh conditions. The Rubber Toughened Formula is also Outdoor Safe and gives more time to align pieces before the glue takes hold. Loctite® Super Glue ULTRA GEL Control® comes in a patented side-squeeze design for maximum control and air-tight storage. It dries clear and sets without clamping. Loctite Super Glue ULTRA Gel Control is resistant to moisture and freezing temperatures.

RECOMMENDED FOR:

Use for repairing figurines, costume jewelry, cameras, toys, metal car parts, wiper blades, rubber seals and O-rings. Bonds leather, cork, paper, cardboard, wood, chipboard, fabric, metal, ceramic, rubber and hard plastics such as Plexiglas®, polycarbonate, polystyrene and PVC. Ideal for vertical surfaces and for applications requiring flexibility.

NOT RECOMMENDED FOR:

- Polyethylene, polypropylene, polytetrafluoroethylene (PTFE)/Teflon®, silicone rubber, polystyrene foams or glass
- Use in dishwasher, oven or microwave
- Bonding assemblies which will hold hot liquids

FEATURES & BENEFITS:

Feature	Benefits
Rubber toughened formula.....	Great for applications requiring high flexibility
Gel formulation.....	No mess, no drip formula; Ideal for vertical applications
Dries transparent.....	Invisible repairs
Sets in seconds.....	No clamping required
Easy squeeze grips.....	Pinpoint accuracy, easy to use



Item #	Package	Size
1363589 1699233 1739050	Carded Bottle	4 g
1801751	Carded Bottle	5 g

DIRECTIONS:

Tools Typically Required:

Tissue paper

Safety Precautions:

Wear gloves. Protect work area.

Preparation:

Surfaces to be bonded must be close fitting, clean, dry and free from oil, wax and paint. For best results, lightly roughen smooth surfaces. Pre-fit parts to be joined.

Application:

To puncture the nozzle, screw the cap clockwise continuously into the base until the clicking sound stops. Unscrew the cap counter clockwise to open the bottle. Squeeze the blue side grips to dispense the adhesive. Only one drop of adhesive per square inch of surface is required. Press surfaces together immediately and hold for 15-30 seconds. Do not attempt to reposition the parts. Immediately after use, clean tip with tissue and replace cap. For increased strength, leave the parts undisturbed for at least 10 minutes. Full cure in 24 hours. Note: Cure time is dependent upon temperature, humidity, porosity of surfaces and amount of adhesive applied.

Clean-up:

After cleaning, wet any tissue used for wiping off glue with water and dispose of. When cleaning up larger quantities of uncured adhesive, apply water and allow to cure and then scrape up. Note this may result in damage to the surfaces. Cured adhesive may be cut away with caution using a sharp blade, removed with acetone or with boiling water. Note: Acetone is highly flammable and may not be suitable for use on all materials, test surface first. Follow manufacturer's instructions.

STORAGE AND DISPOSAL

Not damaged by freezing in the unopened container. Optimal shelf life is achieved when unopened container is stored from 36°F to 46°F (2°C to 8°C). After opening, it is not recommended that the product be stored cold or frozen. Once opened, the product is best stored tightly sealed in a dry location away from heat sources or sun exposure. Humidity and high temperatures may decrease shelf life. Use an approved hazardous waste facility for disposal.

LABEL PRECAUTIONS

WARNING! Contains Cyanoacrylate. May cause allergic skin reaction. Skin contact through clothing may cause burns. Avoid contact with skin and eyes.
FIRST AID: In case of eye contact, flush with water for 15 minutes; call a physician. For skin contact, flush with water. For ingestion, do not induce vomiting; call a physician. If spilled on clothing, flush with large quantities of water. **KEEP OUT OF THE REACH OF CHILDREN.**

Refer to the Material Safety Data Sheet (MSDS) for further information

DISCLAIMER

The information and recommendations contained herein are based on our research and are believed to be accurate, but no warranty, express or implied, is made or should be inferred. Purchasers should test the products to determine acceptable quality and suitability for their own intended use. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

TECHNICAL DATA

Typical Uncured Physical Properties		Typical Application Properties	
<u>Color:</u>	Clear and colorless	<u>Application Temperature:</u>	Do not apply below 50°F (10°C)
<u>Appearance:</u>	Gel	<u>Odor:</u>	Sharp, irritating (use in a well-ventilated area)
<u>Base:</u>	Ethyl Cyanoacrylate	<u>Fixture Time:</u>	15-30 seconds
<u>Specific Gravity:</u>	1.05	<u>Handling Time:</u>	Leave undisturbed for at least 10 minutes. For best results, allow full bond strength to develop overnight before handling.
<u>Viscosity:</u>	Approx. 50,000 cps at 77°F	<u>Cure Time:</u>	24 hours
<u>Flashpoint:</u>	176°F (80°C) to 200°F (93.4°C)		
<u>VOC Content:</u>	< 2% by weight (< 20 g/L)		Note: Cure time is dependent upon temperature, humidity, porosity of surfaces bonded and amount of adhesive used
<u>Shelf Life:</u>	From date of manufacture (unopened): Stored at 2-8°C: 24 months Stored at 20°C: 18 months		
<u>Lot Code Explanation:</u>	YDDDXX Y = Last Digit of Year of Manufacture DDD = Day of Manufacture based on 365 days in a year XX = Disregard		
(Lot code printed on bottom of bottle)	For example: 3061 = 61 st day of 2013 = March 2, 2013		

Typical Cured Performance Properties

<u>Colour:</u>	Clear and colourless
<u>Cured form:</u>	Non-flammable, flexible solid
<u>Service Temperature:</u>	Up to 180°F (82°C)
<u>Moisture Resistance:</u>	Yes. Conforms to EN204 D3 Water Resistance Standard.
<u>Bond Strength (Tensile Shear, ISO 4587):</u>	Varies from 1450-2900 psi (15-25 N/mm ²) in 12-24 hours, depending on the substrate
For Aluminum:	3060 psi (21.12 N/mm ²)
<u>Peel Strength:</u> (Aluminum)	14.28 lb/in (2.5 N/mm)
<u>Drops to break bonded item:</u>	> 60 times