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Technical Data Sheet

Product 7452

Worldwide Version, November 2000

PRODUCT DESCRIPTION

LOCTITE® ACCELERATOR 7452 is a single component non-CFC solvent based surface accelerator. The accelerator is designed to promote the speed of cure of Loctite cyanoacrylate adhesives. The accelerator is HIGHLY FLAMMABLE.

TYPICAL APPLICATIONS

ACCELERATOR 7452 is used where increased cure speed of Loctite cyanoacrylate products is required. It can be either pre- or post-applied to the bond. However it is especially suited for post application on cyanoacrylate adhesives to ensure rapid fixturing. Typical examples are securing wires or coils to PCB's, tamperproofing adjustable components, mounting stand-offs, edge guides and board stiffeners.

LIQUID PROPERTIES

	Typical Value
Chemical type	Organic Accelerator
Solvent	Acetone*
Appearance	Clear, Amber
Specific Gravity @ 25°C	0.79
Viscosity @ 20°C, mPa.s (cP)	0.4
Flash point (TCC), °C	-17 (HIGHLY FLAMMABLE)
TLV, (ACGIH), ppm	750
Drying time @ 20°C, seconds	<30
On part life, mins	1 max.

- * Acetone is an environmentally friendly solvent.
Acetone has zero Ozone Depletion Potential.
Conforms to German WGK, category zero.

TYPICAL PERFORMANCE

Fixture time and cure speed achieved as a result of using ACCELERATOR 7452 depend on the adhesive used and the substrate bonded.

GENERAL INFORMATION

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

HANDLING INFORMATION

UNDER NO CIRCUMSTANCES SHOULD ACCELERATOR AND ADHESIVE BE MIXED DIRECTLY AS ADHESIVES.

Accelerator must be handled in a manner applicable to highly flammable materials and in compliance with relevant local regulations. For example, special care must be taken to avoid contact of the accelerator or its vapor with naked flame or any electrical equipment that is not flame proofed.

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

Avoid prolonged or repeated skin contact.

Use only in a well ventilated area.

No smoking in presence of accelerator.

Directions for use

Post Acceleration:

1. Apply Loctite cyanoacrylate to the parts to be bonded or fixed.
2. Apply accelerator over adhesive by spray or by drop. Use one drop of accelerator per one drop of adhesive.

Surface Acceleration:

1. Apply one coating of accelerator to the area to be bonded by spray, brush or dipping. Contaminated surfaces may need special cleaning or degreasing prior to acceleration to remove any dissolvable contamination.
2. Allow the solvent time to evaporate until the surfaces are completely dry (approx. 30 secs).
3. Apply the Loctite cyanoacrylate product immediately after drying or not more than 45 seconds thereafter.
4. Accelerator can be re-applied if necessary if there is a delay of more than 45 seconds between original acceleration and adhesive application.

Storage

This accelerator is classified as being HIGHLY FLAMMABLE and therefore must be stored in an appropriate manner and in compliance with relevant regulations. Do not store near oxidizing agents or combustible materials. The accelerator is light sensitive and the container should be kept in a dark place when not in use.

Product shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8°C to 28°C (46°F to 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container. For further specific shelf life information, contact your local Technical Service Center.

Note

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PLEASE CONTACT LOCTITE CORPORATION QUALITY DEPARTMENT FOR ASSISTANCE AND RECOMMENDATIONS ON SPECIFICATIONS FOR THIS PRODUCT.
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