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Technical Data Sheet Product 7031

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PRODUCT DESCRIPTION

LOCTITE® Product 7031 is a single component non-CFC solvent based formulation for cleaning and conditioning of surfaces to be bonded with Loctite cyanoacrylate adhesives. The product is HIGHLY FLAMMABLE.

TYPICAL APPLICATIONS

LOCTITE 7031 is recommended as a final preassembly cleaning treatment for all surfaces to be bonded with Loctite cyanoacrylate adhesives. The product may be used to remove organic contaminants. It neutralises surfaces which might inhibit the cure speed of the adhesive. Loctite 7031 is applied after other treatments. Typical applications include cleaning of plated parts, surfaces contaminated with release agents and parts soiled by handling. This product can be used as an alternative to QUICK CLEAN 703.

LIQUID PROPERTIES

	Typical Value
Solvent	Heptane* (Chemical Base is an organic neutraliser)
Appearance	Clear colourless
Specific Gravity @ 25°C	0.68
Viscosity @ 20°C, mPa.s (cP)	0.3 to 0.5
Flash point (COC), °C	-12 (HIGHLY FLAMMABLE)
Vapour pressure, 20°, mbar	<50
TLV, (ACGIH), ppm	400
Toxicity	No chronic toxic effects
Drying time @ 20°C, seconds	60

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

TYPICAL PERFORMANCE

Loctite 7031 is primarily a cleaning agent. However, because of the neutralising effect, the fixture time and cure speed may be effected (generally improved). The performance will depend on the adhesive used and the substrate bonded.

DIRECTIONS FOR USE

Surface preparation

1. Treat surfaces to be bonded by spraying, dipping or wiping with Loctite 7031 cleaner.
2. If spraying or dipping, hold surfaces to be bonded vertically to improve cleaning efficiency.
3. A wipe with a clean towel is recommended to remove heavy contamination.
4. Allow the solvent time to evaporate until the surfaces are completely dry.
5. Apply the Loctite cyanoacrylate product immediately after drying and assemble bond.

HANDLING PRECAUTIONS

Cleaner 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 activator or its vapour with naked flame or any electrical equipment that is not flame proofed.

Under no circumstances should the cleaner and adhesive be mixed directly as liquids.

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 cleaner.

GENERAL INFORMATION

Storage

This cleaner 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 oxidising agents or combustible materials.

Store material in original containers in a cool, dry location for maximum shelf life. The activator is light sensitive and the container should be kept in a dark place when not in use. When stored, unopened, under these conditions, the material will retain its performance and properties for at least 12 months.

Specification

The technical data contained herein are intended for reference and should not be used for preparing specifications. Please contact the Loctite Technical Service Department or local representative for assistance and recommendations on specification limits for these materials.

Note

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