



Technical Services and Development Department,
Loctite International,
Dublin, Ireland.

Telephone: +353 (1) 510433

Telefax: +353 (1) 519073

Telex: Dublin 31068

July 1991

Technical Data Sheet Product 7031

PRODUCT DESCRIPTION

LOCTITE 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 neutralizes 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

Chemical base:	Organic Neutralizer
Solvent:	Heptane*
Colour:	Clear, colourless
Specific Gravity, 25°C:	0.68
Viscosity, 20°C, mPa.s:	0.3 to 0.5
Flash point (COC), °C:	-12 (HIGHLY FLAMMABLE)
Vapour pressure, 22°C, mbar:	< 50
Shelf life @ 20°C, months:	12
Toxicity:	no chronic toxic effects
TLV, (ACGIH), ppm:	400
Drying time @ 20°C, secs:	60 approx.

*NOTE: Heptane is an environmentally friendly solvent. Heptane has zero Ozone Depletion Potential. Conforms to German WGK, category 1.

PERFORMANCE

ACTIVATOR 7031 is primarily a cleaning agent. However, because of the surface neutralizing effect, the fixture time and cure speed may be affected (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.



HIGHLY FLAMMABLE

GENERAL

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 place 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.

Specifications

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

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Loctite Corporation patents which may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.