

THINNERS

Multicore PC70i is an alcohol solvent used for thinning Multicore Liquid Fluxes and other soldering chemicals where specified. No Clean and No Residue Liquid Fluxes should be thinned with their recommended thinners where these are specified.

- High purity
- Consistent quality
- Compatible with wide range of flux formulations

METHOD OF USE

Flux Thinners: The major use is in thinning liquid fluxes in wave soldering machines. Fluxes in wave soldering machines lose solvent by evaporation and this has to be replaced from time to time. This loss of solvent is monitored by checking the specific gravity of the flux. The specific gravity is returned to its original figure by the addition of Multicore PC70i to the flux with stirring. The precise volume to be added will depend on the specific gravity and volume of the flux in the machine. Multicore PC70i is suitable for use in automatic flux density controllers.

General Cleaner: Multicore PC70i may be used as a general purpose cold cleaner for removing light contamination from wave soldering equipment, fixtures and fittings. For example, dried deposits from low solids fluxes are readily soluble in Multicore PC70i. For heavier deposits and particularly difficult rosin contamination, an alternative cleaner such as Multicore Prozone Plus might be more appropriate. When using PC70i as a general cold cleaner, due attention must be paid to the flammability of the product.

TECHNICAL SPECIFICATIONS

Typical properties of Multicore PC70i are shown in the table below. A full description of test methods and detailed test results are available on request.

General Properties	PC70i
Specific gravity at 25°C (77°F)	0.782
Boiling point	82°C (180°F)
Flash point (Abel)	12°C (53°F)
Water content	0.5% maximum
Residue on evaporation	0.01% maximum

HEALTH AND SAFETY

WARNING: The following information is for guidance only and users must refer to the Material Safety Data Sheet relevant to Multicore PC70i Thinners before use.

Fumes/Vapours and Precautions: Excessive inhalation of the solvent vapour, which may cause headaches, dizziness and nausea should be avoided. The TLV of the solvent is 400ppm. Multicore PC70i must always be used in well ventilated areas. Suitable fume extraction equipment should be used to extract solvent vapours away from the operators.

Protection and Hygiene: Suitable protective clothing should be worn to prevent the material from coming into contact with the skin and eyes. If the material comes into contact with the skin, the affected area should be washed with soap and warm water, particularly if the material has been contaminated in use. If any irritation develops or in severe cases seek medical attention. If the material comes into contact with the eyes, they should be irrigated thoroughly with running water for at least 10 minutes and medical attention sought. Eating and drinking should not be permitted in the working area and hands should be washed thoroughly with soap and warm water before eating.

Fire Hazards and Precautions: Multicore PC70i contains a highly flammable solvent with a flashpoint of 12°C (53°F). The material must not be used near naked flames or non-flameproof electrical equipment. Smoking must not be permitted in the working area. Carbon dioxide, alcohol resistant foam or dry powder extinguishers should be used if the material catches fire.

Spillage and Waste Disposal: Spillage of the material should be mopped up with sand or sawdust. Waste material should be stored in closed containers and disposed of in accordance with local regulations.

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. In light of the foregoing, **Loctite Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Loctite Corporation's products.** Loctite Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits. 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 that 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.

