

## Manual - Coollaboratory Liquid Cleaning Set

The Coollaboratory Liquid Cleaning Set enables a fast, simple and effective removal of impurities and residues of heat conduction pastes from metallic contact surfaces in PC-systems. It also prepares the surfaces of processors and coolers for the usage of a new heat conduction paste on base of silicone, glycerin or metal optimally.

The set contains three components, which provide an excellent cleaning when using correctly. The Liquid Cleaning Set - Phase 3 was designed especially for metallic surfaces (copper, nickel, aluminum etc.)

- Liquid Cleaning Set - Phase 1 (Preparation)
- Liquid Cleaning Set - Phase 2 (Cleaner)
- Liquid Cleaning Set - Phase 3 (Metal Cleaner)

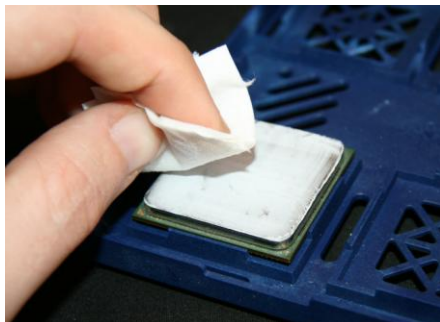
### Use of the Liquid Cleaning Set

Before you use the Liquid Cleaning Set, please decide whether a solid (eventually dried) or a pasty heat conduction paste shall be removed. The course of the cleaning depends on this decision. The dried properties of a solidified paste should be soaked with the phase 1 as described subsequent. A soft paste can be removed before the cleaning with the Liquid Cleaning Set with the help of the added plastic card.



#### Phase 1:

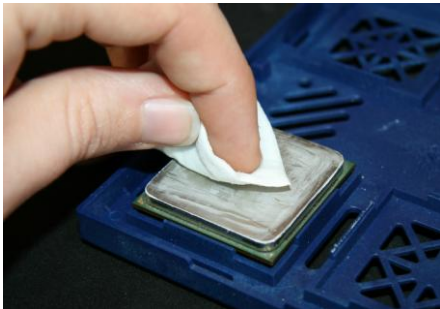
Please moisten the polluted contact surface with one of the added cotton pads (or alternatively a lint-free tissue) with the Liquid Cleaning Set - Phase 1 fluid. Then let appeal it for 2-3 minutes. To reach a high level moistening of the contact surfaces, we recommend you to dab on the surface softly with the cotton pad.



After the residence time of 2-3 minutes the rough pollution on the contact surfaces can be wiped off with the help of the plastic card which is added to the package of the Coollaboratory Liquid Cleaning Set. Depending on the size of the surface you can use the wide or alternatively the small side of the added plastic card.

## Phase 2:

Afterwards please moisten a new cotton pad with the Liquid Cleaning - Phase 2 fluid and wipe off the still existing residues of the contact surfaces with slightly pressure. A drying of the contact surfaces after the cleaning is not necessary, as the remaining fluid volatilized within a few seconds. The contact surfaces are now prepared optimally for the application of a new heat conduction paste after the cleaning with the Liquid Cleaning Set - Phase 2 fluid.



Cleaning with Phase 2 – Cleaner



cleaned processor, ready for use

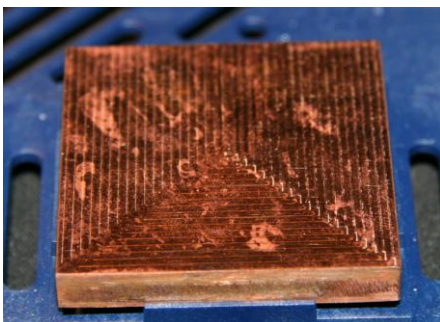
**Attention:** The fluids of the Liquid Cleaning Set Phase 1 and 2 are because of its composition easily flammable, therefore you have to avoid the smoking and other sources of ignition nearby.



Easily flammable

## Phase 3:

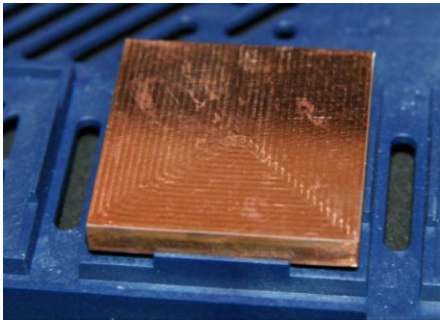
Metals like copper show often within a few seconds in service or at the air signs of oxidation and are especially prone to pollution by grease and the like. With the Liquid Cleaning Set - Phase 3 fluid metals can be cleaned very easily. With this kind of strong cleaner intense pollution and firmly bonded deposit can be removed after accordingly residence time.



Copper pad before the cleaning



Cleaning with the Liquid Cleaning Set



Copper pad after the cleaning

Therefore please moisten a cotton pad after the use of the both other fluids with Liquid Cleaning Set - Phase 3 fluid. Wipe across the surface of the metal with the moistening cotton pad for cleaning it. Concluding it is recommendable to wipe off the cleaned surface with a cotton pad that is soaked with Phase 1 or water.

**Attention:** Should it happen that you get into skin contact with the fluid of the Phase 3, please wash your hands to avoid eventual irritating.



Irritant

## Advises



Moisten the added cotton pads just punctual by holding the cotton pad to the hole of the bottle of the respective cleaning fluid. It is sufficient to soak the cotton pad by pivoting the bottle two or three times. (see picture)

It is not necessarily needful to remove the residues of the products Coollaboratory Liquid Pro and Liquid Ultra with the Liquid Cleaning Set, because the eventual rests of the liquid metal fill up the finest unevenness and refines consequently the surface. The Coollaboratory Liquid Cleaning Set conduces to prepare the contact surfaces for the usage of Liquid Pro or Liquid Ultra by removing the residues of conventional heat conduction pastes.

**Important:** The Liquid Cleaning Set - fluids must not be used for cleaning synthetic materials. The Coollaboratory Liquid Cleaning Set is especially produced for the usage with coolers and processors in PC range. Please keep the Coollaboratory Liquid Cleaning Set save and out of reach for children. Keep cool and dry, do not expose to direct sunlight!