

Xyloclin-64 F.A.Q.s



Q Do we need to clean PCB assemblies after soldering?

A Yes. Flux is very important component used during soldering process. Flux is an active material that is designed to clean oxides from the parts to be soldered, prevent re-oxidation during heating, help transfer heat to the solder joint and promote wetting of the surfaces by the solder metal. These are the essentials of “Quality Soldering”. However, the flux residue, if left on the PCB after soldering is over, can cause corrosion of component leads and PCB pads. Additionally, most fluxes absorb humidity and cause leakages in the circuit if not cleaned properly before use. This proves dangerous particularly for high frequency or high voltage applications. To avoid such failures and to improve reliability and ensure longevity of the PCB assemblies, it becomes most essential to clean it, immediately after soldering.

Q Is there any preparation required for using Xyloclin-64?

A No, **Xyloclin-64** is an advanced, ready to use solution, for PCB cleaning.

Q Is Xyloclin-64 safe for electronic components?

A Yes. **Xyloclin-64** is thoughtfully designed and is widely tried and used on most active and passive electronic components. If you feel that any particular delicate component may not withstand **Xyloclin-64** treatment, test the component independently in **Xyloclin-64**. (Test Procedure available on request), else, install the component after cleaning the PCB in **Xyloclin-64**.

Q Why do we need to wash the PCBs in water after using Xyloclin-64?

A **Xyloclin-64** is a safe cleaning agent for PCB assemblies however it is better to remove all traces of the cleaning agent. When we use detergents to clean the clothes, we finally wash the clothes under water to remove the traces of the detergent otherwise the traces of detergent continue to react on the clothes slowly. Similarly we remove all the traces of **Xyloclin-64** from the PCB assemblies to ensure the longevity of the PCB assemblies. Since **Xyloclin-64** is an aqueous based solution, all the traces of **Xyloclin-64** can easily be removed from the PCB assemblies.

Q Is it safe to dip the PCB assemblies in water?

A Yes. There is no harm in washing the PCB assemblies in water after treatment of **Xyloclin-64**. Most passive and active electronic or electrical components are resistant to plain water while not in use since they are made from plastics, metals, epoxy or poly urethane resins. They are additionally coated by conformal coatings for protection during assembly and environmental stress during usage. Please note that water is the most widely used cleaning agent in houses, industries, and also by the nature!! Cleaning, using water is the most eco-friendly way... Remember, “Water Soluble Fluxes” are commonly used for PCB assemblies, which need to be cleaned only in aqueous based (water based) solutions. Naturally, user should ensure that the PCB assembly is completely dried and devoid of moisture, before powering up.

Xyloclin-64 F.A.Q.s *continued*

Q How does Xyloclin work?

A Unlike thinners or solvents, Xyloclin reacts on the flux. It makes the flux inactive and loosens the flux in non-sticky particles. This way the solid sticky or the hard lump of the flux is disintegrated by Xyloclin. The disintegrated non-sticky particles then should be brushed off to make the PCB shining clean.

Q Why the solvents like thinners unable to clean the PCB like Xyloclin

A Please note that the flux is dissolved in the solvents like thinners while you brush resulting into spreading the flux on the entire portion of the PCB. With this method the entire PCB is coated with a thin film of the flux. It is practically impossible to remove the traces of the flux from the PCB by this method.

Q We do not use any flux while hand soldering PCBs, do we need to clean them?

A Yes. Even though we do not apply a separate flux, most commonly available solder wires (metals) contain single or multiple cores of flux, embedded in the solder wire itself.

Q Which types of fluxes can be effectively cleaned with Xyloclin-64?

A Most soldering fluxes, available commercially, can be cleaned effectively with **Xyloclin-64**.

Q Can Xyloclin-64 be reused?

A Yes. The same solution can be reused, repeatedly, for subsequent batches of PCBs. It is recommended to keep the used solution separately, for re-use, to avoid contamination. (Procedure available on request)

Q How many times the Xyloclin-64 solution can be used?

A It depends upon many factors, the size of the assemblies, the number of solder joints, the type of flux and the density of flux. More the flux, lesser the life of **Xyloclin-64**. Replace used **Xyloclin-64** solution with a fresh **Xyloclin-64** solution, if you don't get the desired results. (Continue using **Xyloclin-64**, again and again till it loses the ability to clean...Start with a fresh solution..) A solution, which has lost its ability looks pale and loses its transparency.

Q Is there any shelf-life of the Xyloclin-64 solution?

A Yes. The **Xyloclin-64** solution should be used within six months of manufacturing.

Q How many PCBs can be cleaned in a litre of Xyloclin-64 solution?

A It is difficult to quantify. It depends upon the size of the assemblies, the number of solder joints, the type of soldering, the type of flux and the density of flux. More the flux, lesser the number of PCBs cleaned using **Xyloclin-64**.

Xyloclin-64 F.A.Q.s continued

Q Which assemblies can safely be cleaned in Xyloclin-64 solution?

A **Xyloclin-64** is widely used and tried on most active and passive electronic components commonly available in the market.

Q Which assemblies should not be cleaned using Xyloclin-64 solution?

A The components, which are not sealed should be covered properly before treatment of **Xyloclin-64** e.g. Pressure Sensors or buzzers having an open ports, transformers and inductors which are not vacuum impregnated or potted etc.. If you feel that any particular delicate component may not withstand **Xyloclin-64** treatment, test the component independently in **Xyloclin-64** else install the component after cleaning the PCB in **Xyloclin-64**.

Q Our circuit has an on-board battery back-up. Can the board be cleaned in a Xyloclin-64 solution?

A No. Please ensure before dipping any board in **Xyloclin-64** solution that the board does not have any kind of live power supply. **Xyloclin-64** is a **medium weak electrically conductive chemical**.

Q Can we clean the wave-soldered PCBs in Xyloclin-64 ?

A Yes. The assemblies soldered on a wave soldering machine or dip soldering machine can effectively be cleaned in a **Xyloclin-64** solution.

Q Can we dilute Xyloclin-64?

A No. The **Xyloclin-64** solution should not be diluted in any condition. Also any other chemical should not be added to the **Xyloclin-64** solution.

Q Is Xyloclin-64 safe to handle?

A Yes. It is perfectly safe to handle **Xyloclin-64**. However, since it is a chemical, the precautions as indicated on the packing must be taken while handling **Xyloclin-64**. Also a point to note that **Xyloclin-64** is not inflammable like the other commonly used PCB cleaners, Acetone, IPA, NC thinner or TCE.

Q Is Xyloclin-64 inflammable?

A No. **Xyloclin-64** is not inflammable like the other commonly used PCB cleaners, Acetone, IPA, NC thinner or TCE.

Q In which environment Xyloclin-64 should not be used?

A It is recommended that **Xyloclin-64** should be used in an open, well-ventilated environment.

Use of **Xyloclin-64** in closed, congested environment should be avoided.

Xyloclin-64 F.A.Q.s *continued*

Q In what packing sizes is Xyloclin-64 available?

A **Xyloclin-64** is available in 1 ltr. Trial pack and 5 ltr. Economy pack.

Q Is Xyloclin-64 better than using Acetone, IPA, NC thinner or TCE?

A Yes. Certainly **Xyloclin-64** is far superior to highly inflammable and highly degreasing agents like Acetone, IPA, NC thinner or TCE. These chemicals are not only highly inflammable but those are harmful for assemblies too. Many components are damaged permanently by using these chemicals. Besides, the purpose of PCB cleaning is never served with these chemicals since the flux traces are observed in a form of streaks and sticky bands on the PCBs even after repeatedly cleaning with these chemicals.

Q Does Xyloclin-64 remove colour codes and prints on the components?

A No. **Xyloclin-64** does not remove any colour codes or prints on the components.

Q Is Xyloclin-64 economical?

A Yes. **Xyloclin-64** is the most economical PCB cleaning system. Additionally, it can be reused for further economy.

Q Is Xyloclin-64 easy to use?

A Yes. **Xyloclin-64** is user friendly and very easy to use. The simple instructions are printed on the pack.

Q How many Xyloclin-64 baths need to be maintained?

A There is no need to maintain multiple baths of **Xyloclin-64** like Acetone, IPA, NC thinner or TCE. Only one small bath of **Xyloclin-64** according to your PCB size or cleaning need is sufficient.

Q Any special kind of container is required for preparing Xyloclin-64 bath?

A No. Any kind of virgin plastic, preferably PP boxes with lids, used for household purpose and commonly available in the market can be used as a container.

Q Does Xyloclin-64 contains any hazardous or banned chemicals?

A No. It is manufactured by using standardized safe industrial chemicals.

Q Does Xyloclin-64 contains Xylene?

A No. Not at all.