SOLDER CONNECTION
Email: sales@solderconnection.co.uk | Tel: +44(0)1291 624 400

Technical Bulletin

Issue 3 - 27/05/2021

BAKERS SOLDERING FLUID®

DESCRIPTION

Bakers Soldering Fluid® is a water based flux containing zinc chloride and other salts, which provide an extremely effective fluxing reaction at soldering temperatures. Bakers Soldering Fluid® is commonly used for soldering copper and brass in many industrial applications.

FEATURES AND BENEFITS

- High activity flux – effective soft soldering of copper and brass.

- Water soluble flux residues – easy post soldering cleaning.

- Ideal for use with various solder alloy grades, including a wide variety of tin-lead and lead free soft solders.

APPLICATION

For most applications, the flux can be applied by brushing, this being the most convenient method of controlling where the flux is placed. Alternatively, Bakers Soldering Fluid® can be sprayed on, or the work-piece can be fully or partially immersed in the flux prior to soldering. When heat is introduced the flux will begin to work effectively so that when the solder is applied, the joint can be formed.
Zinc chloride containing fluxes are corrosive and the post soldering flux residues should normally be removed as soon as possible after cooling of the joint assembly. This can usually be achieved by washing with water, preferably warm. For the most through flux residue removal, initial cleaning should be in dilute hydrochloric acid (2-5%) or citric acid, followed by a final wash in clean water.

AVAILABILITY

125 ml, 250 ml, 500 ml, 1 litre, 5 litre and 10 litre containers.

PHYSICAL/CHEMICAL PROPERTIES

Appearance:	Clear colourless to pale yellow liquid
Flash Point:	Not applicable
Solubility in water:	Easily soluble in hot and cold water
Odour:	Characteristic acidic
Specific Gravity:	1.23 @ 20°C
pH:	<2

HEALTH AND SAFETY

Observe standard precautions for handling and use of corrosive liquids. Eye and skin protection must be provided. Avoid breathing fumes evolved during soldering. Adequate fume extraction should always be provided. For detailed information refer to the relevant Health and Safety Data Sheet (MSDS) available on request.