

TECHNICAL DATA

FRY BAKERS No.3 FLUX Water Based Soldering Flux

DESCRIPTION

Bakers No.3 Flux is a water based flux containing zinc chloride and other salts, which provide an extremely effective fluxing reaction at soldering temperatures. Bakers No.3 Flux is commonly used for soldering copper and brass in industrial applications.

FEATURES & BENEFITS

- High activity flux - effective soft soldering of copper and brass.
- Water soluble flux residues - easy post soldering cleaning.
- Ideal for use with various other alloy grades, including tin/lead and lead free soft solder alloys.

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 No3 Flux can be spray, or the component 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 joint assembly. This can usually be achieved by washing with water, preferably warm.

for the most thorough flux residue removal, initial cleaning should be in hydrochloric acid (2 - 5%) or citric acid, follow by a final wash in clean water.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear colourless to pale yellow liquid
Specific gravity	1.23 @ 20°C
Flash point	N/A
Solubility	Easily soluble in warm and cold water
Odour	Characteristic acid
pH	< 2
Standard pack sizes	125ml, 250ml, 500ml, 1L, 5L

HEALTH & SAFETY

Observe standard precautions for handling corrosive liquids. Eye and skin protection must be provided. Avoid breathing fumes evolved during soldering. Adequate fume extraction should always be provided. Refer to Material Safety Data Sheet (MSDS) for further details.