



Technical Data Sheet

ChemTools Flux Pen No Clean Flux

Description

ChemTools No Clean Flux Pen contains AIM NC264-5 flux, a resin free, halide free, no-clean flux. Flux pens provide a very controlled method of applying liquid flux during rework applications, allowing flux to be contained to the areas being reworked. NC264-5 is a low residue flux that offers very good activity and performs well with bare copper, solder coated, and organic coated PWBs, leaving negligible post process residues that are non conductive, and do not require post-process cleaning. NC264-5 has a unique chemistry and wide process window.

Physical Properties:

Solids Content	3.5%
Flux Density:	0.80 ±0.01
Acid Number :	19.4mg KOH/g ±0.5

Flux Tech Tips:

Problem	Potential Cause
Bridging:	Insufficient flux, excessive preheat, solder contamination
Solder Balls	Low preheat temperature, excess flux
White Residue	Excess flux, flux contamination, solder contamination
Discoloured Joint	Solder oxidation, board/component contamination, excessive heat

Cleaning:

NC264-5 flux may be cleaned, if necessary, with a water based cleaner, such as ChemTools PCB Wash, or an alcohol blend, such as ChemTools Flux Remover GP. Deionised water is recommended for the final rinse after aqueous cleaners.

Storage:

ChemTools No Clean Flux Pens have a sealed shelf life of 2 years. Store in a cool, dry place in original containers, at a room temperature between 5°C to 30°C. Do not store near fire or flame. Keep away from sunlight as it may degrade the product.

PRECAUTIONS: This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the material.
Warranty: All products purchased from or supplied by ChemTools are subject to terms and conditions set out in the contract. ChemTools warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by ChemTools is considered accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. ChemTools makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.