

# User Data Sheet for Diamond Flux FN231.

## Information about the Flux, its use and storage:

The flux is manufactured in the Florida, USA, from organic substances. Used for soldering lead and lead-free alloys in electronics and wires. Used in manufactories, repair shops and individually.

The flux belongs to the ROLO class – NOCLEAN. Does not contain halogens and lead. Residue after soldering does not cause corrosion on the printed circuit board, components and wires.

Flux residue does not cause current leakage. Does not corrode copper.

Provides excellent wettability of the soldered surfaces for the best soldering. The flux is suitable for soldering any BGA, QFN, SMD, DIP, SOT and any other electronic components.

## Instructions for use:

- Provide adequate ventilation in the room and exhaust at the workplace.
- Apply a small amount of flux to the surfaces to be soldered. For components with two pads, apply a small drop to each pad.
- For best quality Diamond Flux FN231 can be used with any NoClean/ROLO solder wire.
- Solder with a soldering iron, hot air or other soldering tool.
- After soldering, flux residues can be washed off with any electronic circuit cleaner for best performance. You can skip cleaning PCBs with a flux cleaner after soldering, flux residue will not cause PCB corrosion, components or current leakage, but flux cleaning is good practice. To improve the quality, we recommend cleaning off the flux and solder residues. Non cleaned flux will be solid in a few days.

## Storage instructions:

- Long-term storage (more than 2 weeks) should be no more than 50 degrees Fahrenheit.
- Expiration dates are indicated on the flux label. Do not store it under the sun and in heat.

## Cautions:

Avoid contact with eyes and skin. Do not use it internally.  
Keep away from children. Avoid contact with waterways and soil.

Does not contain toxic substances.  
Does not contain lead or other harmful substances.  
RoHS Compliant.  
Complies with the standard IPC J-STD-004

The logo for Express-24 features the text "Express-24" in a bold, orange-red font. To the right of the text is a stylized graphic consisting of several curved, overlapping lines in shades of orange and yellow, suggesting motion or a signal. The entire logo is set against a white background with a subtle orange wave pattern behind it.

**Express-24**

<https://express-24.io>

**Express 24 LLC**

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