



# SUPERIOR No. 130S



## Inorganic Acid Petrolatum Based Soldering Flux

### DESCRIPTION

**Superior No. 130S** is a Petrolatum-based soldering paste that contains Zinc Chloride and Ammonium Chloride. The Petrolatum helps protect the solder joint against corrosive attack and the paste form insures that the flux stays put until soldering. **Superior No. 130S** meets J-STD-004, type INH1.

### APPLICATIONS

**Superior No. 130S** is useful on most common metals except Aluminum and Magnesium. It is employed mainly in plumbing and maintenance applications. (**Superior No. 130S** is available in pound cans, and in 5 lb., 20 lb. and 40 lb. pails.)

Superior No. 130S is a hygroscopic soldering paste, meaning, an inherent tendency to absorb moisture from the air. In the case of large containers, especially 20 lb or 40 lb pails, the containers are opened and closed many times before empty, with resultant open/empty space filling with air over time. It is very important to always reseal the lid to the pail after every time the pail is opened, to avoid undue water absorption which may cause undesirable spattering during soldering, and in extreme cases, less than desirable solder joints. Press down firmly in the center of the lid, then press down around all of the outer edge so that the flexible sealing ring under the lid seats to the top of the pail. Proper resealing will minimize ongoing moisture absorption. Successfully soldered joints or seams are not normally adversely affected by minimal moisture absorption. Controlling minimal water absorption will also enhance soldering operator satisfaction and safety due to less spattering that occurs when excessive water content is burning off.

### DIRECTIONS

**Superior No. 130S** is generally applied using an acid brush. The flux is active between 95-315°C/200-600°F. Although the flux is self-cleaning, it is recommended that the parts first be cleaned with a rough surface. For most applications, the residues can be removed with a damp rag. However, the following cleaning steps must be followed in critical applications:

1. Degrease with an organic solvent.
2. Rinse in hot water containing 2% HCl solution.
3. Use as many hot deionized water rinses as necessary.

### PHYSICAL PROPERTIES

Form	Yellow Paste
Specific Gravity	0.95 – 1.00
Flash Point	285°C/540°F
Boiling Point	337°C/640°F
Spread Factor	80 Minimum
Soldering Temperature Range	95°C – 315°C /200°F– 600°F

**THIS PRODUCT IS RoHS COMPLIANT**

### SAFETY PRECAUTIONS

**Superior No. 130S** contains Petrolatum, Zinc Chloride and Ammonium Chloride. Inhalation of fumes can cause injury to the respiratory tract and skin. In case of external contact, wash with soap and water. For eyes, flush with water for 15 minutes and get immediate medical attention. If swallowed, give plenty of water or milk and call a physician. Keep out of reach of children. Do not store near heat, as Petrolatum melts at 57°C/135°F. Refer to the Material Safety Data Sheet (MSDS) for additional information.

**Superior No. 130S** has a two (2) year shelf life.

*Superior manufactures quality fluxes. Our business is solving problems.*

