



# SUPERIOR No. 70-5



## Inorganic Acid Petrolatum Based Tinning Flux

### DESCRIPTION

**Superior No. 70-5** is a Petrolatum-based soldering paste that contains Zinc Chloride, Ammonium Chloride, and Tin. The Petrolatum helps protect the solder joint against corrosive attack and the paste form insures that the flux stays put until soldering. The Tin allows for tinning of metal surfaces.

### APPLICATIONS

**Superior No. 70-5** is useful on most common metals except Aluminum and Magnesium. It is employed mainly in plumbing and maintenance applications.

### DIRECTIONS

**Superior No. 70-5** 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	Grey 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. 70-5** contains Petrolatum, Zinc Chloride, Ammonium Chloride, and Tin. 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 135°F. Refer to the Safety Data Sheet (SDS) for additional information.

**Superior No. 70-5** has a two (2) year shelf life.

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



**Superior Flux  
& Mfg. Co.**

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