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## H&N Electronics

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### Superior No.30 Supersafe™ Liquid & GEL Soldering Flux

SUPERSAFE™ is a safe, organic, water soluble soldering flux which is easy to use. It contains NO resins, strong acids or acid forming substances. Properly heated it becomes completely neutral, and is non-corrosive, electrically non-conductive and non-hygroscopic. Active between 390°-520°F. Clean up is with warm water. SUPERSAFE™ offers excellent results on all types of electronics including PC boards. It is compatible with low temperature Silver Solders. Liquid is a good all around flux as well as for Pewter, the thicker Gel is superb for Stained Glass as well as Brass detail work. Gel tends to thin over time, will not effect how flux works.

|                           |         |                            |         |                            |         |
|---------------------------|---------|----------------------------|---------|----------------------------|---------|
| 2 Oz. bottle Liquid ----- | \$6.80  | 8 Oz. bottle Liquid -----  | \$16.30 | 32 Oz. bottle Liquid ----- | \$33.35 |
| 2 Oz. bottle GEL -----    | \$9.95  | 8 Oz. bottle GEL -----     | \$27.50 | 32 Oz. bottle GEL -----    | \$92.00 |
| 4 Oz. bottle Liquid ----- | \$9.95  | 16 Oz. Bottle Liquid ----- | \$22.55 | 1/2 Gallon Liquid -----    | \$45.55 |
| 4 Oz. bottle GEL -----    | \$16.05 | 16 Oz. Bottle GEL -----    | \$50.25 | 1 Gallon Liquid -----      | \$65.75 |

### Superior No.30 Supersafe™ (DS) Double Strength Liquid

A double strength version of No. 30. In certain applications, it promotes faster and better solderability than regular Supersafe™. Double strength can be diluted, equal parts flux and purified or distilled water to form regular Supersafe™.

|                            |         |                            |         |                          |          |
|----------------------------|---------|----------------------------|---------|--------------------------|----------|
| 2 Oz. bottle Liquid DS --- | \$9.55  | 16 Oz. Bottle Liquid DS -- | \$35.50 | 1/2 Gallon Liquid DS --- | \$80.65  |
| 4 Oz. bottle Liquid DS --  | \$14.75 | 32 Oz. bottle Liquid DS -- | \$50.40 | 1 Gallon Liquid DS ----  | \$136.50 |
| 8 Oz. Bottle Liquid DS --- | \$21.90 |                            |         |                          |          |

### Superior No.30 Supersafe™ Paste

A recent addition to the Superior No.30 line of flux. The same great qualities as the Superior No.30 Liquid and GEL but in a new PASTE Form. Not intended to replace the Liquid or GEL but to compliment them in some operations.

|                     |        |                     |         |                     |         |              |         |
|---------------------|--------|---------------------|---------|---------------------|---------|--------------|---------|
| 2 Oz. JAR Paste --- | \$9.90 | 4 Oz. JAR Paste --- | \$14.35 | 8 Oz. JAR Paste --- | \$23.70 | 1 Lb JAR --- | \$40.65 |
|---------------------|--------|---------------------|---------|---------------------|---------|--------------|---------|

### SUPERIOR No.1260 Gel, No.1261 Liquid Aluminum Soldering Flux

Superior No.1260 is a new high activity, organic-based, chloride-free flux. For **Aluminum** and most ferrous and non-ferrous alloys, including **stainless steel**. For Aluminum to Aluminum, Aluminum to Copper, Aluminum to Brass. Can also be utilized in joining other difficult to solder metals like **Stainless Steel**, Kovar or Nickel. Preferred solder for Aluminum work is 91% Tin 9% Zinc. For metals other than Aluminum most solders can be utilized, like 96% tin 4% silver, or 60% tin 40% lead. Combination of No.1260 flux and 9% Zinc solder is excellent for soldering LiPoly batteries and for repairing broken, or cracked cast aluminum car and engine chassis. **Ship to US Only**

|                    |         |                   |         |                 |         |
|--------------------|---------|-------------------|---------|-----------------|---------|
| 2 Oz. bottle ----- | \$10.90 | 4 Oz bottle ----- | \$18.85 | 8 Oz bottle --- | \$32.50 |
|--------------------|---------|-------------------|---------|-----------------|---------|

### 91% Tin 9% Zinc Solid Wire Solder for Aluminum

In combination with **Superior No.1260 flux, PASTE or GEL**, this solder for Aluminum is excellent for joining Aluminum to Aluminum and Aluminum to other metals. Also excellent for softer metals where a lower temperature solder is requires. Solder melts and flows at approximately 390° F. Has a diameter of .031", and is solid wire, so it is easy to work with. Can also be used with Supersafe™ Solder Flux on other metals. Combination of No.1260 flux and Tin/Zinc solder is excellent for repairing broken, or cracked cast aluminum car and engine chassis.

|                         |        |                     |         |
|-------------------------|--------|---------------------|---------|
| 1 Oz. Package .031" --- | \$5.70 | 1 Lb Roll .031" --- | \$53.10 |
|-------------------------|--------|---------------------|---------|

### 96/4 Tin/Silver & 60/40 Tin/Lead Solid Wire Solder

Only the finest metals are used in H&N Solders, thus insuring high purity and quality. Our Silver Solder offers a composition of 96% tin and 4% silver, Electronic is 60% tin and 40% lead, both have a .031" diameter. Since both are Solid Wire, a flux is required. Silver melting and flowing point is approximately 460 degree. F., thus providing strength without heat distortion. The Silver is 5 times stronger then regular 60/40. Our 60/40, has a melting point of approximately 430 degree F., and is a great all around and electronic solder, while the Silver is excellent when strength is needed. SUPERSAFE™ Flux will perform flawlessly with both solder.

|   |         |   |         |
|---|---------|---|---------|
| 60% Tin/ 40% Lead Solder --1 Oz. Pkg. --- | \$4.55  | 96% Tin 4% Silver Solder ---1 Oz Pkg. --- | \$8.35  |
| 60% Tin/ 40% Lead Solder -- 1 Lb. Roll -- | \$44.40 | 96% Tin 4% Silver Solder -- 1Lb Roll ---  | \$87.00 |

### LEAD FREE TIP TINNER

Tip Tinner has been formulated to prolong tip life from the harsh soldering environments of No-Clean and Water Soluble Fluxes, like our Supersafe™ flux. A build up can occur on the soldering tip using these type fluxes. Tip Tinner helps keep the tip clean and tinned properly.

|  |        |                                       |         |
|--|--------|---------------------------------------|---------|
| 1/2 Oz Tin, Lead Free Tip Tinner ----- | \$8.50 | 1½ Oz Tin, Lead Free Tip Tinner ----- | \$15.45 |
|--|--------|---------------------------------------|---------|

**SUPERIOR NO.71 Stainless Steel Soldering Flux PASTE**

A water-based, inorganic-acid flux formulated for soldering stainless steel and other industrial metals. The flux contains Zinc Chloride, Ammonium Chloride, a bi-fluoride, and Hydrochloric Acid. This combination of activators makes this flux active at room temperature where it begins to clean metals and remove oxides. The flux exerts a strong scavenging action to remove oxide coatings and other impurities from the metal surface to produce strong joints. Pre-cleaning is not necessary under most conditions. Excellent for use on Stainless Steel, Monel, High-Chrome Alloys, Inconel, Nickel, Copper, Brass, Ferrous Alloys and many more metals. It is not recommended for Aluminum and Magnesium. **Ship to US Only**

2 Oz. Jar - - - - \$9.45      4 Oz. Jar - - - - \$15.50      8 Oz. Jar - - - - \$42.50      16 Oz. Jar - - - - \$42.45

**SUPERIOR NO.78 Soldering Flux GEL**  
*Excellent for Stainless Steel & other hard to solder metals*

A non-fuming, water-soluble flux formulated for difficult-to-solder metals. The flux exerts powerful scavenging action removing the oxide coatings and other impurities from most metals yielding strong joints. Excellent for use on stainless steel, monel, high chrome alloys, inconel, nickel, copper, brass, ferrous alloys and many more metals. It is not suitable for Aluminum and Magnesium. **Ship to US Only**

2 Oz. Bottle - - - - \$11.65      4 Oz bottle - - - - \$20.90      8 Oz. Bottle - - - - \$35.05

**SUPERIOR NO. 6 JEWELRY BRAZING PASTE FLUX**

A very unique brazing and Silver Soldering paste Flux. It is neutral - not acid - absolutely non-corrosive - will not burn hands or skin. It contains no free fluorides - cannot generate Hydrofluoric acid - and is used for brazing, and silver soldering ferrous and nonferrous metals, including mild steel, high carbon steel, Monel, nickel and nickel alloys, Inconel, Copper, Bronze, Brass, German Silver as well as the precious metals like Gold, Silver, and Platinum. Flux can be thinned and cleaned up with water. Active Temperature Range: 900° to 1600°F.

5 Oz. Jar Paste - - - - \$10.40      10 Oz. Jar Paste - - - - \$16.15      1 Pound Jar Paste - - - - \$22.05      5 Pound Pail Paste - - - \$84.55

**SUPERIOR NO. 601 SILVER BRAZING PASTE FLUX**

No. 601 is a general purpose Silver Brazing Flux that is active to 1800°F. Recommended for use with **Stainless Steel**, Steel, copper-based alloys, nickel, carbides and precious metals and heat-resistant alloys. No. 601 contains Potassium Bifluoride and should be handled with caution. It is a white creamy paste that can be thinned to any consistency with water. Clean up is with hot water so chipping or grinding is not necessary. Active Temperature Range: 1000° to 1800°F.

5 Oz. Jar Paste - - - - \$10.40      10 Oz. Jar Paste - - - - \$16.15      1 Pound Jar Paste - - - - \$22.05      5 Pound Pail Paste - - - \$84.55

**SODER WICK®**

A copper braid used to aid in removing solder from a joint. Place braid on joint, heat with soldering iron, wicks solder from joint. We carry two type of braid. One is coated with a No Clean Flux. The other is not coated with any flux. Just dip this wick into a flux, we recommend you use Superior No.30 Supersafe™ Liquid.

5 ft. wick with No Clean flux - - \$6.45      10 ft. wick No Flux \$9.35

**DISPENSING BOTTLE AND SPOUT**

Small bottle that can be used to apply liquid flux. The 1/2 Oz bottle and spout comes with a length of 22 AWG tubing which can be inserted into spout for applying one drop, or use spout without tubing. The larger spout fits our 2,4,8,16 Oz bottle.

1/2 Oz. bottle with spout - - \$.95      Large spout fits 2,4,8,16 Oz bottles - - - \$.95      Both 1/2 bottle/spout and Lg. spout - - \$1.82

**EMPTY PLASTIC BOTTLES**

HDPE, (High Density Polyethylene) natural bottles with white caps. These bottles are great for storing extra flux or any liquid. Can be used with the Large Spout noted above.

2 Oz bottle \$.55      4 Oz bottle \$.65      8 Oz bottle \$.90      16 Oz bottle \$1.20

All Prices US Dollars. Visit our Web Store [hnflux.com](http://hnflux.com) to order.

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