

# 5530

## Nickel-Nu Metal Cleaner

### For Nickel and Nickel Alloys

#### Product Description

Kester 5530 Nickel-Nu is a nonfuming acidic, liquid solution for cleaning nickel, tin-nickel and other nickel alloys to facilitate soldering. Cleaning and activating component leads made from kovar, an iron-nickel-cobalt alloy, can be accomplished with Kester 5530. This stable solution cleans by dissolving or solubilizing the contamination for easy removal by water rinsing. Because the etch rate is controlled, the bath life is very extended.

#### Performance Characteristics:

- Removes oxidation to facilitate soldering
- Easily cleaned in water
- Aggressive for short cleaning time

#### Physical Properties

**Specific Gravity:** 1.080 ± 0.010

Antoine Paar DMA 35 @ 25°C

**pH (10% solution):** <1

Hanna Instruments 8314 @ 25°C

**Flash Point:** >100°C (212°F)

#### Application Notes

Surfaces to be cleaned should be free of oil, grease and other non-metallic dirt. Kester 5530 Nickel-Nu is used as received in plastic or glass containers at room temperature. The cleaning action can be accelerated by heating the solution up to 50-65°C (120-150°F). Parts are immersed 20-60 seconds depending on the condition of the surface and then water rinsed to remove solubilized contamination. The product is also effective for cleaning and activating heavily oxidized copper surfaces where production requirements necessitate a short cleaning time. Kester 5530 Nickel-Nu is an acid solution. Eye protection and neoprene gloves should be used. Avoid contact with skin.

**Cleaning:**

No neutralizer, saponifiers or detergents are necessary in the water wash system for complete removal of residues. It is not recommended to use high mineral content tap water. Otherwise, tap, deionized or softened water may be used for cleaning.

**Storage and Shelf Life:**

Because this formulation is water based, it is subject to freezing. A minimum storage temperature of 4°C (40°F) is recommended. If frozen, the Kester 5530 is easily reconstituted by stirring at room temperature. Shelf life is 3 years from date of manufacture when handled properly and held at 4-25°C (40-77°F).

**Health & Safety:**

This product, during handling or use, may be hazardous to health or the environment. Read the Material Safety Data Sheet and warning label before using this product.

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