



# Global Specialty Products

USA, Inc

## NZD - ULTRA™ PWB CLEANER 05

# Clean With Confidence

### APPLICATION:

**NZD-ULTRA™ PWB CLEANER 05** is an environmentally safe, non-hazardous, non-flammable, non-HAPs, Ozone-safe, water miscible, fully recyclable, reclaimable and reusable (extended Bath life) designed for semi-aqueous cleaning (defluxing and stripping) of rosin and ionic contamination from all types of printed circuit boards. The product is applicable in commercially available cleaning and defluxing equipment, and, in conjunction with on-site solvent recycling and water-treatment equipment, will operate in a closed loop at near zero discharge. It is potentially useful in converted vapor phase degreasers.

- ◆ **Replaces** - CFCs, HCFC & Chlorinated Solvents
- ◆ **Superior Solvency**— Thoroughly removes rosin and ionic contamination
- ◆ **Use “As Is”** - no dilution with water; Residue Free
- ◆ **High Water Solubility** for quick rinsing
- ◆ **Compatible & Non-Corrosive** on Various Ferrous & Non-Ferrous Metals

### CLEANING PROCESS:

**NZD-ULTRA™ PWB CLEANER 05** has high flash point for reduced flammability; it is used only full strength at room temperature to 145 deg. F and 20-30 psig in an immersion tank with air agitation or a complete pump circulation. Soak boards 1-3 minutes (or as required) in the product; use DI Water at 120 - 200 deg. F to rinse and dry with forced hot air. In all cases, properly designed equipment is needed to avoid the risk associated with any fire.

**DO NOT USE THIS PRODUCT IN A HIGH PRESSURE SPRAY WASHER.  
DO NOT ATOMIZE.**

## TYPICAL PROPERTIES

<b>pH</b> (50% solution in water @ 68 °F)	7.0-8.0	<b>Odor</b>	Mild
<b>Flash Point</b> (°F) (Tag Closed Cup)	190	<b>Viscosity</b> (@ 68 °F) Brookfield Spindle #3, 10 RPM	Water Thin
<b>Components Vapor Pressure</b> @ 68 °F [mm Hg]	0.40 - 1.0	<b>Specific Gravity</b> (@ 68 °F)	1.040
<b>Components Boiling Point</b> @ 760 mm Hg (°F)	356 - 485	<b>Weight/Gal.</b> (lbs./gal.)	8.70

### SAFETY AND HANDLING PRECAUTIONS:

**NZD-ULTRA™ PWB CLEANER 05** is a mixture of environmentally safe organic solvents. Although, direct contact can cause skin or eye irritation, it is very important to utilize recommended gloves (18 mm thick natural rubber, neoprene or natural latex), safety goggles and other suitable protective clothing your company recommends. **NZD-ULTRA™ PWB CLEANER 05** is harmful if inhaled or swallowed. Do Not take internally. **Use this product with adequate ventilation.** If splashed in eyes or on skin, wash off immediately. If swallowed, remove from exposure area, call a physician immediately. Wash out mouth thoroughly with water and drink several glasses of water. Refer to MSDS for accidental release measures.

### DISPOSAL:

Solutions containing hazardous or non hazardous soils should be handled and treated according to Federal, State and Local Environmental Laws. Do not dispose of the spent **NZD-ULTRA™ PWB CLEANER 05** in any sewerage system. The used material, and residues should be treated according to Federal, State and Local Regulations.

### RECOMMENDED O-RINGS, GASKETS, HOSES AND PUMP PACKAGING:

- |                 |                                 |
|-----------------|---------------------------------|
| 1) Teflon       | 4) Buna-S                       |
| 2) Butyl Rubber | 5) Ethylene-Propylene Copolymer |
| 3) Kalrez       | 6) Fluorosilicone Rubber        |

### COMPATIBLE WITH:

PVC, Viton, ABS, Buna-N, Kynar, Lexan, Noryl EN-265, PET and some of the polycarbonate plastics.

### STORAGE/PACKAGING:

Packaged in Carbon Steel 1020, 5 gallon pails and 55 gallon HDPE drums. The product is Hygroscopic; store in a dry and sheltered areas. Keep from freezing.

**HMIS RATING:** Health: 2                      Fire: 2                      Reactivity: 0

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