

# NuSolv™ PNPB

## Technical Data Sheet

### High Polarity, High-Performance Cleaning Solvent

Highly polar, high-performance cleaning solvent ideal for use in electronics and circuit assembly defluxing, removal of solder fluxes, pastes, ionic residues, particulates, greases, resins, inks, silicone oils, buffing compounds, drawing oils and lapping compounds.

#### Description:

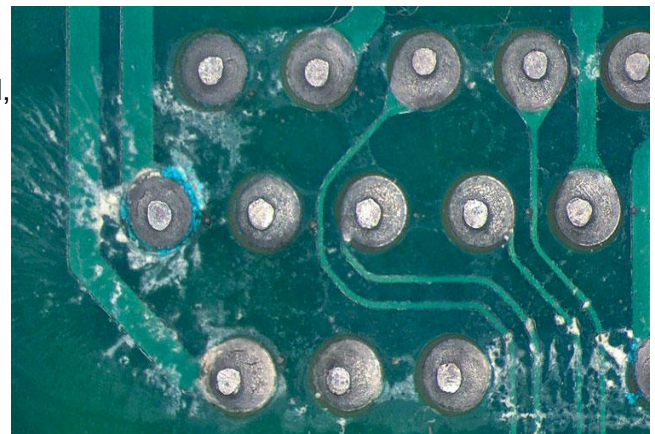
NuGeneration Technologies' NuSolv™ PNPB is a stabilized, true azeotropic formula used to remove solder fluxes, pastes, ionic residues, particulates, greases, resins, inks, silicone oils, buffing compounds, drawing oils and lapping compounds from a variety of surfaces including electronic and circuit assemblies, ferrous and non-ferrous alloys including Copper, Copper alloys (brass, bronze, etc.), Nickel, steel, stainless steel, Titanium, Zinc, and Aluminum.

#### Characteristics:

NuSolv PNPB was formulated to be used at both ambient temperatures for cold-cleaning/wipe applications as well as at elevated temperatures for vapor phase cleaning. NuSolv PNPB contains a mixture of solvents, allowing for effective removal of a wide variety of soils. NuSolv PNPB has very high solvency, with a Kb value of >150, and a polarity 80% greater than that of non-polar nPB (based on Hansen Solubility Parameters), making it a superior drop-in replacement for trichloroethylene (TCE), perchloroethylene (PCE), methylene chloride (MeCl), and expensive alternatives such as hydrofluorocarbons (HFC's) and hydrofluoroethers (HFE's), as well as an alternative to standard non-polar nPB. NuSolv PNPB is a non-flammable solvent, and is SNAP approved due to its negligible impact on the ozone layer.

#### Directions for Use:

NuSolv PNPB is used at 100% concentration, and is effective at ambient temperatures in cold cleaning and wipe applications. However, it can also be used up to 55 °C (130 °F) for 5 seconds to 5 minutes for vapor phase cleaning. The parameters can vary due to the type and extent of soils to be removed.



### Product Benefits

- High-polarity, high-performance,, environmentally friendly solvent blend.
- Effective at ambient temperatures for cold-cleaning applications, or at elevated temperatures for vapor phase cleaning.
- Ideal for removing flux residue, ionics, particulates, pastes, oils and greases.

# Physical Properties



## Physical Properties

Use concentration (cold-cleaning/immersion)	100% by volume
Use concentration (vapor phase)	100% by volume
Bulk Density	9.7 lbs/gal
Operating Temps	Ambient to 55 °C
Boiling Point	55 °C
pH, @100%	N/A
VOC (Concentrate)	916 g/L
Flash Point	None
Cleaning Strength	High
Ozone Impact (ODP)	Zero
Global Warming Potential (GWP)	0.3
Kb Value	>150
% Increase in Polarity from non-polar nPB (based on Hansen Solubility Parameters)	80%
Vapor Pressure (mm Hg)	105
Regulatory Information	VOC US EPA SNAP Approved
Exposure Limit Information (ppm)	18 ppm USEPA <10 ppm ACGIH

**Availability:** 1-gallon, 5-gallon, 55-gallon, 275-gallon totes and bulk tankers.

**Shipment:** Non-regulated material, liquid

**Storage:** Keep out of direct sunlight. Keep from freezing. Store between 40 °F - 120 °F.

**Disposal:** Dispose of in accordance with local, state, and federal regulations. For assistance with disposal contact NuGeneration Technologies at 888-99-NuGen or email: [tech@nugentec.com](mailto:tech@nugentec.com).

**Regulatory:** This product is classified and labeled according to the Globally Harmonized System (GHS).

### EMERGENCY OVERVIEW:

May cause cancer. May damage fertility of the unborn child. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness.

### SAFETY:

Please make sure you have read and understand the product label and SDS before using this product. Avoid breathing vapors, spray or mists. Use only with adequate ventilation. Wash thoroughly after handling. Observe label precautions.

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