

# NON-TOXIC 2-IN-1™

## Home-Safe Resin For Coating & Casting



Non-Toxic 2-in-1™ is an optically clear hybrid polymer resin formulated with excellent UV stability. With a medium viscosity, this versatile resin is suitable for both artwork coating and shallow casting. This resin is ASTM certified non-toxic, solvent-free, BPA-free and odour-free, making it safe for home use when used as directed. It can also be used as a food-safe coating once fully cured. This resin is sensitive to moisture and may cure slightly soft.

### Key Advantages

- Safe for home use
- User-friendly
- Great bubble release
- UV-resistant
- VOC-free, solvent-free
- Nonylphenol-free
- BPA (Bisphenol)-free
- Safe for food contact

### Recommended for

- Coating & art pouring
- Shallow casting (up to 20mm) of small objects

<b>Mix Ratio</b> (Resin : Hardener)	By weight - 1:0.9 By volume - 1:1
<b>Mixed Viscosity</b> (at 250g mixed mass)	3,300 - 3,500 mPa.s
<b>Working Time</b> (at 250g mixed mass)	15 - 30 mins
<b>Curing Time</b>	Hard cure: 24 hours Full cure: 5 - 7 days
<b>Heat Resistance*</b> (Clear, Fully cured)	45 - 50°C
<b>Hardness*</b> (Clear, Fully cured)	Shore 70 - 75D (Lower when there is moisture)

\*The addition of pigments will lower the heat resistance and hardness

Note: Due to its chemical properties, Non-Toxic 2-in-1™ is sensitive to moisture and may cure slightly soft in humid conditions. To mitigate this, avoid working with this resin on a rainy day. Avoid adding large amounts of pigments, especially tints and alcohol inks, as it may also result in softer casts. If you require a resin for rigid casting, we recommend using ArtCast™ or HeatResist™.

**SHELF LIFE:** When stored under dry and cool conditions in sealed packaging, the resin has a shelf life of 2 years. Once opened, the shelf life is 1 year. However, resin does not actually expire. When it is reaching the end of its shelf life, it simply oxidises (turns yellow). Oxidised resin can still be used for pigmented resin pieces.

**SAFETY:** Adult supervision required. Keep out of reach of children. Follow product usage instructions included with the product and wear personal protective equipment. For more information on safety, please refer to the SDS available at resinplay.sg.

**NOTICE:** The technical specifications and information is given in good faith and based on our test results obtained but without warranty. The information may differ when the resin is used in different environments, when other additives or pigments are added, or due to any user or external-related factors. The application, use and processing of the products are beyond our control and Resin Play in respect of any sale of its products shall be determined by the terms of its conditions of sale.