



## N-Vinyl-2-Caprolactam

**[Product Name:]** N-Vinyl-2-Caprolactam

**[Synonyms:]** Vinylcaprolactam, NVC, NVCL, V-cap

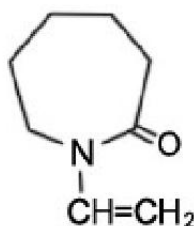
**[CAS No.:]** 2235-00-9

**[EINECS:]** 218-787-6

**[Molecular Weight:]** 139.2

**[Molecular Formula:]** C<sub>8</sub>H<sub>13</sub>NO

**[Structure Formula:]**



**[Features:]** N-Vinyl-2-Caprolactam is used as a reactive diluent to accelerate the UV Curing rate; its caprolactam ring imparts adhesiveness, hydrophobicity, strength and complexing capability. Its active double bond facilitates its use in free radical homopolymerization, copolymerization and grafting reactions.

### **[Specifications:]**

| Item                 | Specification            |
|----------------------|--------------------------|
| Appearance           | Yellowish Powder/Crystal |
| Assay, GC %,         | 99.0                     |
| Melting Temperature: | 34°C                     |
| Boiling Temperature: | 116°C                    |
| Vapor Pressure       | <0.1mmHg                 |

### **[Applications:]**

1. Reactive diluent for UV curing applications, such as printing inks (especially silk screening), vinyl flooring, wood coating, and etc.
2. A monomer of polymerizations to generate materials with more hydrophobic character than analogous N-Vinyl-2-pyrrolidone based products.