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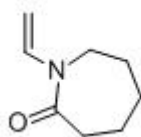
Site: www.tnjchem.com

## Technical Data Sheet

# N-Vinyl Caprolactam

### Product Information

Product Name	N-Vinyl Caprolactam
Synonyms	1-vinylhexahydro-2h-azepin-2-one; 1-ethenylazepan-2-one; NVCL
CAS No.	2235-00-9
EINECS No.	218-787-6
Molecular formula	C <sub>8</sub> H <sub>13</sub> NO
Molecular weight	139.19
Chemical structure	



### Physical Properties

Appearance	Under normal temperature is white to pale yellow crystal; above 37°C is slight yellow liquid
Density	1.029 g/mL at 25°C(lit.) ; 1.01g/mL at 40°C
Melting Point	35 ~ 38°C
Boiling Point	128°C at 21mmHg (lit.)
Refractive Index	n <sub>20</sub> /D 1 (lit.)
Flashing Point	214°F

### Specification

Appearance	Under normal temperature is white to pale yellow crystal; above 37°C is slight yellow liquid
Assay	≥98.0%
Caprolactam	≤1.5%
Water	≤0.1%

## Safety

N-Vinyl Caprolactam is a stable material, not dangerous on transportation  
Always refer to the Material Safety Data Sheet (MSDS)

## Applications

- 1) N-Vinyl Caprolactam is high polymer synthesis of Poly N-Vinyl Caprolactam series of important intermediates. Poly N-Vinyl Caprolactam (PNVCL) in biology and medicine due to a series of polymer materials and daily chemical and other fields has a very wide range of uses.
- 2) The most favorable intermediates to used in Petroleum Production and Printing Ink. Used as a reactive diluent for UV, coatings, inks and adhesives as well as a building block for synthesis of paper coatings

## Packaging

200kg per iron drum;  
Total 16MT per 20ft container on pallets(without pallets)

## Storage & Handling

Keep container tightly closed in a dry and well-ventilated place.  
Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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