



Specialized in chemicals

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center,
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 5418695

Fax: (0086) 551 5418697

Email: info@tnjchem.com

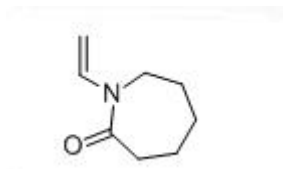
Site: www.tnjchem.com

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 ₈ H ₁₃ 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 37°C
Melting Point	35 ~ 38°C
Boiling Point	128°C at 21mmHg (lit.)
Refractive Index	n ₂₀ /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 dry. Keep in a cool 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.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center
Qianshan Road, Hefei
230022 Anhui
China

Tel : (0086) 551 5418677
Fax: (0086) 551 5418697
Email: info@tnjchem.com
Site: www.tnjchem.com