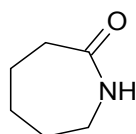


Caprolactam

Empirical / Structural Formula

$C_6H_{11}NO$



Applications

Caprolactam is used for the production of fibers and filaments made of Polyamide 6. Examples for end products of Polyamide 6 are: clothing, carpets, ropes, fishing nets, molded plastic parts and packaging films. Engineering plastics (plates, pipes, rotational moulded parts) are another important market for Caprolactam. It is also used in numerous special applications.

Characteristics

Crystallisation point	$\geq 69^{\circ}C$	
Moisture content	$\leq 0.04\%$ (m/m)	
	$\leq 0.01\%$ (m/m)	use in anionic polymerization
Volatile bases	≤ 0.5 meq/kg	
Permanganate number	$\geq 10,000$ s	(3% solution)
Colour of a 50% (by wt) aqueous solution	≤ 5 APHA	(ISO 8112)
Content of free bases	≤ 0.1 meq/kg	
Content of free acids	≤ 0.05 meq/kg	
Absorbance at 290 nm	≤ 0.05	(ISO 7059)

Other Data*

Content of Cyclohexanone oxime	≤ 5 mg/kg
Iron content	≤ 0.5 mg/kg
Ash content	≤ 5 mg/kg

*These values provide general information and are not part of the product specification



Storage

Liquid product

Ensure adequate ventilation or aspiration when handling or transferring the product. Store in well isolated tanks or containers under nitrogen blanket. Keep away from acids, bases and oxidizing agents. Pure, liquid Caprolactam can be kept for several weeks without suffering any loss of quality, provided it is stored under the proper conditions.

Solid product

Dust may explode and therefore must be removed by effective ventilation. Store in a cool, dry place and protected from moisture. Keep away from oxidizing agents. Bags should be kept closed during storage. Caprolactam will keep its original quality for months, provide it has been stored as specified.

Bag

Bag Weight	25 kg
Pallet Weight	1250kg
Pallet Dimensions	1400 x 1130 x 1380 mm

Bag

Bag Weight	25 kg
Pallet Weight	1000 kg
Pallet Dimensions	1400 x 1130 x 1130 mm

Bulk

- Tank container
- Tank truck

Other packaging forms and further information available on enquiry.



Contact

For further information please contact:

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Disclaimer

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Values

Unless specified to the contrary, the values given have been established on standardised test. The figures should be regarded as guide values only and not as binding minimum values.

