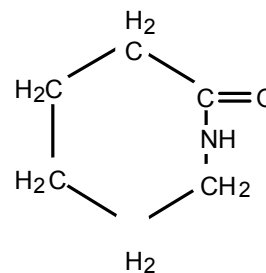


DSM Fibre Intermediates

Product Data Sheet

Caprolactam A.P.Quality (liquid)



Formula	C ₆ H ₁₁ NO Molecular weight : 113.16
Introduction	A(nionic) P(polymerisation), grade Caprolactam is especially manufactured for use in anionic polymerisation to Nylon 6. Its low moisture content is necessary to enable the anionic polymerisation to take place.
Appearance	Colourless liquid at temperatures above the melting point.
Physical properties	density: Liquid at 80° C 1013.5 kg/m ³ at 100° C 998.3 kg/m ³ Viscosity at 80° C 8.52 mPa.s (cP) at 100° C 4.87 mPa.s (cP) Melting point dry basis 69.0°C Boiling point at 1013 mbar 270°C
Specification	Alkalinity max 0.05 mmol/kg Acidity max 0.05 mmol/kg Water max 0.009 % by mass (weight)
Applications	Products manufactured range from various stock shapes (bars, plates etc.) centrifugal casted pipes and cylinders, rotational-moulded containers (i.e. hollow products) and various casted industrial parts.
Packing	Road tank cars Rail tank wagons Tank containers
Safety precautions	The use of protective gloves, goggles and clothing is recommended in order to avoid prolonged contact with the skin (splashing!) when handling the hot molten product. Good ventilation or dust extraction equipment should be applied wherever vapour, dust or fine particles are present. Caprolactam monomer is easily removed from the skin and eyes by washing with water. Caprolactam is little combustible (flash point: 139°C, closed cup) and the ignition temperature is 375°C. Fires should be extinguished immediately by spraying with water.
Sales	DSM Fibre Intermediates B.V. P.O. Box 43 6130 AA Sittard, The Netherlands Telephone: +31.46.4770035 Telefax: +31.46.4770033

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