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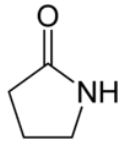
Technical Data Sheet



2-Pyrrolidone (γ-Butyrolactam) *Superior*, mind. 99,5 %ig

Characteristics and Applications

Molecular formula: C_4H_7NO, Molar mass: 85.10 g mol−1, CAS-Nr.: 616-45-5, EINCES Nr.: 210-483-1

Synonyms: 2-Pyrrolidone, 2-Pyrrolidinon, 2-Pyrrolidon, 2-Ketopyrrolidin, gamma-Butyrolactam

2-Pyrrolidone is an organic compound consisting of a five-membered lactam. It is a colorless liquid used in industrial settings as a high-boiling non-corrosive polar solvent for a wide variety of applications. 2-Pyrrolidone is an intermediate in the manufacture of polymers such as polyvinylpyrrolidone and polypyrrolidone.It is used as a plasticizer and a setting agent for acrylic emulsions and acrylic/styrene copolymers.

Physical and Chemical behaviour

2-Pyrrolidone is miscible with a wide variety of other solvents including water (20 % w/w, 20 °C), ethanol, diethylether, chloroform, benzene, ethyl acetate, and carbon disulfide. It reacts with halogens at 0°C to give N-halogeno-2-pyrrolidones. In a strongly alkine medium, 2-Pyrrolidone hydrolyses to a salt of aminobutyric acid. 2-Pyrrolidone adds to acrylonitrile to give cyanoethylpyrrolidone and, on reaction with formaldehyde, it gives N-methylpyrrolidone.

Specification

Appearance	clear, colorless liquid	
Assay	min. 99,5 %	
Water	max. 0,3 %	
Melting range	24-26 °C	
Density (25 °C)	1,107 – 1,115 kg/dm3	1,111 kg/dm3

Hazards Classification

GHS07 Eye irrit. cat. 2
H319 - Causes serious eye irritation.

For more detailed information, see material safety data sheet or contact us at **www.Lobinger-Chemie.de**

Packaging

Steel-drum with 200 kg on EURO- or one-way palett; IBC with 1000 kg. Bulk delivery by road with ISO-Tankcontainer

Contact

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