

TECHNICAL DATA SHEET (TDS)

Product Name:	DMAc
CAS Number:	127-19-5
Chemical Formula:	C4H9NO
Synonyms:	Dimethylacetamide, N,N-Dimethylacetamide
Compliance:	GHS & REACH
Category:	PETROCHEMICAL

Product Description

Premium Dimethylacetamide (DMAc) high-boiling polar solvent. Renowned for its exceptional dissolving power in acrylic fibers, polyurethane elastomer synthesis, and polyimide processing.

Typical Specifications & Assays

Parameter	Specification Value
Appearance / Physical State	White high-purity crystalline powder
Main Assay / Active Content	>= 99.4 % Min
Moisture (H2O)	<= 0.25 % Max
pH Value (1% aqueous solution)	6.8 - 8.2
Heavy Metals (as Pb)	<= 5.0 ppm Max
Iron (Fe) content	<= 10.0 ppm Max

Safe Handling & Storage Guidelines

Ensure tight packaging closure. Store in a dry, cool, and well-ventilated chemical warehouse. Do not store together with highly reactive oxidizers or acids. Always wear standard protective gloves, eye protection, and clean breathing masks when handling industrial chemical volumes. Dispose in accordance with US EPA and localized state regulations.