

Technical Data Sheet (TDS)

N,N-Diethylacetamide

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Product Description

N,N-Diethylacetamide is a colorless to light yellow liquid with a slight amine-like odor. It is widely used as an intermediate in organic synthesis and as a solvent for resins, polymers, and pharmaceuticals. It has excellent solubility characteristics for a variety of chemical processes.

Applications

- Solvent for organic and polymer synthesis.
- Intermediate in the production of pharmaceuticals and agrochemicals.
- Used in fine chemical manufacturing.

Chemical Information

Chemical Name:	N,N-Diethylacetamide
Chemical Formula:	C ₆ H ₁₃ NO
CAS No.:	100-37-8
EINECS/ELINCS No.:	202-845-2
Molecular Weight:	115.17 g/mol

Specifications

Appearance	Colorless to light yellow liquid
Purity	>= 99%
Density at 20°C	0.91 g/cm ³
Boiling Point	202-203°C

Typical Properties

Melting Point	-60°C
Flash Point	87°C (closed cup)
Solubility	Miscible with water and organic solvents
Odor	Slight amine-like odor

Packaging

Available in steel drums, plastic drums, or customized packaging solutions compliant with IMDG regulations.

Storage and Handling

- Store tightly closed in a cool, dry, and well-ventilated area.
- Keep away from heat, sparks, and open flames.
- Use proper personal protective equipment when handling.

Safety and Regulatory Information

- Classified as flammable liquid and skin/eye irritant under GHS.
- Refer to MSDS for detailed safety and handling procedures.
- Compliant with TSCA (US) and EINECS (EU) listings.

Disclaimer

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