

Dimethylformamide (DMF)

Clear liquid solvent

Product Description

DMF used as a solvent in pharmaceuticals, polymers, and chemical synthesis.

Certificate of Analysis

HSN Code: 29242990

CAS Number: 68-12-2

Classification: Hazardous

Parameter	Specification	Test Method
Chemical Name	Dimethylformamide (DMF)	Documentation
Chemical Formula	C_3H_7NO	Documentation
Appearance	Clear, colorless liquid	Visual
Purity	≥ 99.8% (industrial grade)	GC
Boiling Point	153 °C	Distillation
Density	~0.944 g/cm ³ (at 20 °C)	Density Meter
Moisture Content	≤ 0.1%	Karl Fischer
Acidity (as formic acid)	≤ 0.005%	Titration
Color (APHA)	≤ 15	Spectrophotometric
Flash Point	58 °C (closed cup)	Flash Point Tester
Odor	Slight amine-like odor	Olfactory

Physical Properties

Appearance: Clear, colorless liquid

Odor: Slight amine-like odor

Molecular Formula: C_3H_7NO

Molecular Weight: 73.09 g/mol

Solubility: Miscible with water and most organic solvents

Density: ~0.944 g/cm³ at 20°C

Boiling Point: 153 °C

Packing: HDPE drums (200 liters), Steel drums (200 liters), Intermediate Bulk Containers (IBC) 1000 liters, Net Weight per

Storage: Store in a cool, dry, well-ventilated place away from heat and ignition sources. Keep container tightly closed.

Safety & Handling

PPE: Chemical-resistant gloves, goggles, respiratory protection

Hazards:

- Flammable liquid
- Harmful if inhaled or absorbed through skin
- May cause reproductive toxicity