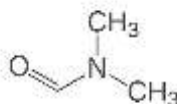


Product Information

N,N-DIMETHYLFORMAMIDE 99,8 % AR

DMF; N,N-Dimethylmethanamide



Product Code	B-3055	Grade	Analytical Reagent
Purity	99,8 %	CAS No	68-12-2
Molecular Formula	C ₃ H ₇ NO	Molecular Weight	73.10 g/mol
H.S.Code	2924.2990	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colourless
Odour	Amine like	Melting Point/ Freezing point (°C)	-61 °C
pH value	7	Flash point	57.5 °C
Boiling Point	153 °C	Vapour pressure (20 °C)	3.77 at 20 °C
Vapour Density	2.52	Density (g/cm ³)	0.944
Solubility in water (% weight)	1000 g/l at 20°C	Explosion limits – upper (%)	16%
Explosion limits-lower (%)	2.20%	Partition coefficient Log Pow octanol / water at 25°C	-0,85
Auto-ignition temperature (°C)	435°C	Viscosity	0,86 mPa at 20°C
Evaporation rate	0.17	Decomposition temperature (°C)	>350 °C

Packaging

500 ml & 2500 ml

Specification

Appearance	Clear colorless liquid
Assay (GC)	min 99.8 %
Wt. Per ml at 20 °C	0.949 – 0.952 g/cm ³
Colour	max 15 Hazen
Refractive Index (n _D ²⁰)	1.429 – 1.431
Water (H ₂ O)	max 0.1 %
Non-volatile matter	max 0.005 %
Diethylamine (GC)	max 0.05 %
Dimethylamine (GC)	max 0.05 %

Methanol (GC, area %)	max 0.05 %
Acidity (HCOOH)	max 0.0005 meq/gm
Alkalinity (NH ₃)	max 0.0005 meq/gm
Iron (Fe)	max 0.0005 %
Lead (Pb)	max 0.0005 %
Copper (Cu)	max 0.0005 %

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08

Signal Word: Danger

UN No.: 2265

IMCO Class No.: 3

Packing Group: III

Hazardous Statement: H226-H312-H319-H332-H360D

Precaution Statement: P201-P210-P261-P280-P303+P361+P353-P304+P340+P312-P305+P351+P338-P308+P313-P370+P378