

N,N-DIMETHYLANILINE

SYNONYMS: N,N-Dimethylbenzeneamine

ABBREVIATION: DMA

DESCRIPTION: Yellow liquid with amine odor, may contain traces of free water.

EMPIRICAL FORMULA: C₈H₁₁N

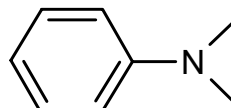
CAS REGISTRY NUMBER: 121-69-7

HS TARIFF NUMBER: 2921.42

PHYSICAL PROPERTIES:

Boiling Point:	379°F/192.8°C:
Specific Gravity:	0.954
Flash Point (PMCC)	145°F/63°C
Vapor Pressure	
(mmHg)	1 at 85.1°F/29.5°C
Vapor Density (air=1)	4.17
Solubility:	Insoluble in water

STRUCTURE:



MOLECULAR WEIGHT: 121

CHEMICAL PROPERTIES:

Can be used in photochemical dechlorination at room temperature. Is hydrogenated to N,N-dimethylcyclohexane over Pd-catalysts. Can be halogenated, sulfonated, nitrated, and nitrosated. Forms addition complexes with sulfur dioxide. Undergoes condensation with benzaldehydes. Undergoes electro-chemically initiated polymerization.

SPECIFICATIONS:

Appearance:	Clear pale yellow liquid
Strength (by difference)	99.0% minimum
Water:	0.2% maximum
Aniline:	0.07% maximum
N-Methylaniline:	0.6% maximum

AVAILABILITY: Commercial Quantities

FOR ADDITIONAL INFORMATION AND HANDLING INSTRUCTIONS READ CYTEC INDUSTRIES INC. MATERIAL SAFETY DATA SHEET.

FOR YOUR PROTECTION

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