



>>Entry Name: **1,3-Diphenyltriazene**, 9Cl, 8Cl

Synonym(s): Diazoaminobenzene. *N*-Phenylazoaniline

CAS Registry Number: 136-35-6

Related CAS Registry Numbers(s): 93589-89-0

PhN=NNHPh

Molecular Formula: C₁₂H₁₁N₃

Molecular Weight: 197.239

Accurate Mass: 197.095297

Percentage Composition: C 73.07%; H 5.62%; N 21.30%

Use/Importance: Blowing agent for plastics

Physical Description: Golden-yellow cryst. (petrol)

Melting Point: Mp 99-100°

Hazard & Toxicity: Dec. with explosion on sudden heating or when shocked. Explodes when warmed with acetic anhydride. LD₅₀ (rat, orl) 224 mg/kg

Aldrich: 46115-6

Rare Chemicals Library: S41450-6

>>Derivative: *N*-Ac

CAS Registry Number: 5702-80-7

Molecular Formula: C₁₄H₁₃N₃O

Molecular Weight: 239.276

Accurate Mass: 239.105862

Percentage Composition: C 70.28%; H 5.48%; N 17.56%; O 6.69%

Melting Point: Mp 130 dec.°

References:

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Ramart-Lucas, M. *et al.*, *Bull. Soc. Chim. Fr.*, 1949, 447, (*uv*)

Müller, E. *et al.*, *Chem. Ber.*, 1962, **95**, 1257

Hadzi, D. *et al.*, *Spectrosc. Lett.*, 1968, **1**, 139, (*ir*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DWO800

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