

General

Synonyms: p-nitrotoluene, 4-methylnitrobenzene, p-methylnitrobenzene, p-nitrotoluol, 4-nitrotoluol, p-nitrophenylmethane, 4-nitrophenylmethane, PNT

Molecular formula: $\text{CH}_3\text{C}_6\text{H}_4\text{NO}_2$

CAS No: 99-99-0

EC No: 202-808-0

Annex I Index No: 609-006-00-3

Physical data

Appearance: light yellow crystals

Melting point: 51 C

Boiling point: 238 C

Vapour density: 4.72 (air = 1)

Vapour pressure: 0.12 mm Hg at 20 C

Density (g cm^{-3}): 1.29

Flash point: 106 C (closed cup)

Explosion limits: 1.6% (lower)

Autoignition temperature:

Water solubility: negligible

Stability

May be shock sensitive. Incompatible with sulfuric acid, strong bases, reducing agents, strong oxidizing agents.

Toxicology

Toxic if swallowed, inhaled or absorbed through the skin. May be fatal if swallowed or absorbed through the skin. Readily absorbed through the skin. May cause cumulative effects. Typical TLV/TWA 2 ppm. Typical OEL 5 ppm.