

Safety (MSDS) data for p-nitrotoluene



General

Synonyms: 4-nitrotoluene, 4-methylnitrobenzene, p-methylnitrobenzene

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

CAS No: 99-99-0

EC No:

Physical data

Appearance: light yellow crystals

Melting point: 53 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 oxidizing agents.

Toxicology

May be fatal if swallowed or absorbed through the skin. Readily absorbed through the skin. Typical TLV/TWA 2 ppm. Typical PEL 5 ppm.

Toxicity data

(The meaning of any abbreviations which appear in this section is given [here.](#))

ORL-RAT LD50 2144 mg kg^{-1}

IPR-RAT LD50 940 mg kg⁻¹

Risk phrases

(The meaning of any risk phrases which appear in this section is given [here.](#))

Transport information

(The meaning of any UN hazard codes which appear in this section is given [here.](#))

UN No 1664.

Personal protection

Safety glasses, gloves, good ventilation.

Safety phrases

(The meaning of any safety phrases which appear in this section is given [here.](#))

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This information was last updated on October 17, 2003. We have tried to make it as accurate and useful as possible, but can take no responsibility for its use, misuse, or accuracy. We have not verified this information, and cannot guarantee that it is up-to-date.
