Safety (MSDS) data for 4-nitrophenol

Hazard: Toxic	

General

Synonyms: p-nitrophenol, 4-hydroxynitrobenzene, p-hydroxynitrobenzene, PNP, NCI-C55992, UN 1663, niphen
Molecular formula: $C_6H_5NO_3$
CAS No: 100-02-7
EC No: 202-811-7

Physical data

Appearance: Yellow to tan crystals or powder
Melting point: 113 - 115 C (sublimes)
Boiling point: ca. 279 C (decomposes)
Vapour density:
Vapour pressure: 1 mm Hg at 20 C
Density: 1.48 g/ml
Flash point: 192 C
Explosion limits:
Autoignition temperature: 282 C

Stability

Stable. Incompatible with strong oxidizing agents, strong bases, organics, combustible material, reducing agents. Combustible.

Toxicology

Possible mutagen. Toxic if swallowed, inhaled or absorbed through skin. Eye, skin and respiratory irritant. Corrosive.

Toxicity data

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

ORL-RAT LD50 202 mg kg^{-1}
SCU-RAT LDLO 200 mg kg^{-1}
IVN-DOG LDLO 10 mg kg^{-1}
IPR-MUS LD50 75 mg kg^{-1}
UNR-MAM LD50 175 mg kg^{-1}

Risk phrases

(The meaning of any risk phrases which appear in this section is given here.)
R23 R24 R25 R34.

Transport information

(The meaning of any UN hazard codes which appear in this section is given here.)
UN Major hazard class: 6.1. Packing group: III

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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