

Safety Data Sheet (SDS)

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

para-Nitrophenol

Signal Word
DANGER

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

Chemtrec Emergency Phone Number: (800) 424-10063

Pictograms

SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral (Category 3). Toxic if swallowed (H301). Do not eat, drink or smoke when using this product (P270).



Hazard class: Acute toxicity, dermal and inhalation (Category 4). Harmful if inhaled or in contact with skin (H312+H332). Avoid breathing dust or fumes (P261).

Absorption into the body leads to the formation of methemoglobin, which may cause cyanosis.

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
para-Nitrophenol	100-02-7	O ₂ NC ₆ H ₄ OH	139.11	
Synonyms: p-Nitrophenol; 4-Hydroxymitro-benzene; 4-Nitrophenol; PNP				

SECTION 4 — FIRST AID MEASURES

CALL 911 Immediately! Call a POISON CENTER or physician if you feel unwell.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

If on skin: Rinse cautiously with water for several minutes (P302+P351). Call a POISON CENTER if you feel unwell (P312). Wash contaminated clothing before reuse (P362).

If swallowed: Rinse mouth. Immediately call a POISON CENTER or physician (P301+P330+P310).

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid.

Autoignition Temperature: 283 °C

NFPA Code
H-3

When heated to decomposition, may emit toxic fumes.
In case of fire: Use a tri-class dry chemical fire extinguisher.

F-1
R-2

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Sweep up the spill, place in a sealed bag or container, and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #8. Store with phenols and cresols.
Store in a cool, dry place. Use only in a hood or well-ventilated area (P271).

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Use only in a hood or well-ventilated area (P271).

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Yellow crystalline powder. Odorless.	Melting point: 113-114 °C
Soluble: Hot water, alcohol, ether, and chloroform	Specific gravity: 1.479-1.495

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizers and strong bases.
Shelf life: Good, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Toxic, irritant, fever, nausea, blue face and lips	ORL-RAT LD ₅₀ : 202 mg/kg IHL-RAT LC ₅₀ : N.A.
Chronic effects: Possible mutagen	SKN-RBT LD ₅₀ : N.A.
Target organs: Blood, central nervous system	

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding.
Flinn Suggested Disposal Method #18b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Nitrophenols. Hazard class: 6.1 Keep away from food. UN number: UN1663

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (202-811-7), RCRA code U170.

SECTION 16 — OTHER INFORMATION

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PRODUCT(S).

N.A. = Not available, not all health aspects of this substance have been fully investigated.

N/A = Not applicable

Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.

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