

4-Nitro-N-methylaniline(100-15-2)

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Product Identification

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【Product Name】

4-Nitro-N-methylaniline

【Synonyms】

N-Monomethyl-p-nitroaniline

【CAS】

100-15-2

【Formula】

C7H8N2O2

【Molecular Weight】

152.15

【EINECS】

202-823-2

【Beilstein/Gmelin】

637920

【Beilstein Reference】

4-12-00-01616

Physical and Chemical Properties

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【Appearance】

Brownish-yellow prisms with violet reflex (from ethanol) or yellow powder.

【Solubility in water】

Insoluble

【Melting Point】

148 - 149

【Boiling Point】

291

【Vapor Pressure】

0.002 (25 C)

【Density】

1.201 g/cm3 (20 C)

【pKa/pKb】

13.44 (pKb)

【Partition Coefficient】

2.04

【Heat Of Vaporization】

53.0 kJ/mol

【Heat Of Combustion】

-3870 kJ/mol

First Aid Measures

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【Ingestion】

Do NOT induce vomiting. Allow the victim to rinse his mouth and then to drink 2-4 cupfuls of water, and seek medical advice.

【Inhalation】

Remove from exposure to fresh air immediately.

【Skin】

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

【Eyes】

First check the victim for contact lenses and remove if present. Flush victim's eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medication in the victim's eyes without specific instructions from a physician. IMMEDIATELY transport the victim after flushing eyes to a hospital even if no symptoms (such as redness or irritation) develop.

Handling and Storage

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【Storage】

Keep containers tightly closed. Store in a cool, dry area away from incompatible substances.

【Handling】

All chemicals should be considered hazardous. Avoid direct physical contact. Use appropriate, approved safety equipment. Untrained individuals should not handle this chemical or its container. Handling should occur in a chemical fume hood.

Hazards Identification

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【Ingestion】

See Inhalation.

【Inhalation】

TOXIC; inhalation, ingestion, or skin contact with material may cause severe injury or death. Effects of contact or inhalation may be delayed.

【Skin】

Contact with molten substance may cause severe burns to skin and eyes. See Inhalation.

【Eyes】

See Inhalation.

【Hazards】

When heated, vapors may form explosive mixtures with air: indoors, outdoors, and sewers explosion hazards.

【UN (DOT)】

1661

Exposure Controls/Personal Protection

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【Personal Protection】

Wear appropriate protective gloves, clothing and goggles.

【Respirators】

Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

【Exposure limit(s)】

2 ppm TWA ACGIH

Fire Fighting Measures

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【Flash Point】

130

【Fire Fighting】

Fires involving this material can be controlled with a dry chemical, carbon dioxide or Halon extinguisher.

【Fire Potential】

This material is probably combustible.

Accidental Release Measures

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【Small spills/leaks】

Sweep up, then place into a suitable container for disposal.

Stability and Reactivity

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【Stability】

Stable under normal temperatures and pressures.

【Incompatibilities】

Strong oxidizing agents - strong bases.

【Decomposition】

Nitrogen oxides, carbon monoxide, carbon dioxide, nitrogen.

【Combustion Products】

Fire may produce irritating, corrosive and/or toxic gases.

Transport Information

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【UN Number】

1661

【Hazard Class】

6.1

【Packing Group】

II

4-Nitro-N-methylaniline(100-15-2) More Suppliers

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WebSite:	http://www.hbzlkschem.com/

Company Name:	Jinan SanZhi Pharmaceutical Technology Co., Ltd.
Tel:	15053191807
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WebSite:	https://www.chemicalbook.com/ShowSupplierProductsList19323/0.htm

Company Name:	Chengtian Fine Chemical Co., Ltd
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WebSite:	www.chemicalbook.com/showsupplierproductslist1959101/0.htm

Company Name:	Xingtai Zhuowang Biotechnology Co., Ltd.
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WebSite:	www.chemicalbook.com/showsupplierproductslist362868/0.htm

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WebSite:	http://www.jkchemical.com

Company Name:	Meryer (Shanghai) Chemical Technology Co., Ltd.
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