

# SAFETY DATA SHEET

Version: v1

Revision Date: 2025-09-18

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product name : 2-Nitroanisole  
Product Number : N108657  
Brand : aladdin  
CAS-No. : 91-23-6

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances.

### 1.3 Company

Company : ALADDIN SCIENTIFIC CORPORATION  
Address : 14078 Meridian Parkway,  
Riverside, CA. 92518  
Telephone : +1 (833) 552-7181  
Fax : no data available

### 1.4 Emergency telephone number

CHEMTREC®, Inside the USA : 1-800-424-9300  
CHEMTREC®, Outside the USA :

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 4), H302

Carcinogenicity (Category 1B), H350

Long term aquatic hazards (Category 3), H412

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H302

Harmful if swallowed

H350

May cause cancer

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|                                   |                                                                            |
|-----------------------------------|----------------------------------------------------------------------------|
| H412                              | Harmful to aquatic life with long lasting effects                          |
| <b>Precautionary statement(s)</b> |                                                                            |
| P264                              | Wash hands [and ...] thoroughly after handling.                            |
| P270                              | Do not eat, drink or smoke when using this product.                        |
| P280                              | Wear protective gloves/protective clothing/eye protection/face protection. |
| P330                              | Rinse mouth.                                                               |
| P405                              | Store locked up.                                                           |
| P501                              | Dispose of contents/container to an approved waste disposal plant.         |
| P203                              | Obtain, read and follow all safety instructions before use.                |
| P301+P317                         | IF SWALLOWED: Get medical help.                                            |
| P318                              | if exposed or concerned, get medical advice.                               |

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

|                  |                            |
|------------------|----------------------------|
| Synonyms         | : 1-Methoxy-2-nitrobenzene |
| Formula          | : C7H7NO3                  |
| Molecular weight | : 153.14                   |
| CAS No.          | : 91-23-6                  |
| EC-NO.           | : 202-052-1                |

| Component      | Classification    | Concentration |
|----------------|-------------------|---------------|
| 2-Nitroanisole | no data available | ≥98%          |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

no data available

#### 4.3 Indication of any immediate medical attention and special treatment needed

no data available

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

##### Unsuitable extinguishing media

no data available

#### 5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products formed under fire conditions.- Carbon oxides, nitrogen oxides (NOx)

#### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### 5.4 Further information

no data available

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.Avoid breathing vapors, mist or gas.Ensure adequate ventilation.Evacuate  
<br/>personnel to safe areas.<br/>

#### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so.Do not let product enter drains.

#### 6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste.Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

no data available

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Avoid contact with skin and eyes.Avoid inhalation of vapour or mist.<br/>

#### 7.2 Conditions for safe storage, including any incompatibilities

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Keep container tightly closed in a dry and well-ventilated place.Containers which are opened must be carefully resealed <br/>and kept upright to prevent leakage.Air sensitive

**7.3 Specific end use(s)**  
 no data available

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**8.2 Exposure controls**

**Appropriate engineering controls**  
 Handle in accordance with good industrial hygiene and safety practice.Wash hands before breaks and at the end of <br/>workday.<br/>

**Personal protective equipment**

**Eye/face protection**  
 Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate <br/>government standards such as NIOSH (US) or EN 166(EU).<br/>

**Skin protection**  
 Handle with gloves.Gloves must be inspected prior to use.Use proper glove removal technique (without touching <br/>glove's outer surface) to avoid skin contact with this product.Dispose of contaminated gloves after use in <br/>accordance with applicable laws and good laboratory practices.Wash and dry hands.<br/>

**Body Protection**  
 Complete suit protecting against chemicals, The type of protective equipment must be selected according to the <br/>concentration and amount of the dangerous substance at the specific workplace.<br/>

**Respiratory protection**  
 Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose <br/>combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.If the <br/>respirator is the sole means of protection, use a full-face supplied air respirator.Use respirators and components <br/>tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).<br/>

**Control of environmental exposure**  
 no data available

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

|                                 |                   |
|---------------------------------|-------------------|
| a) Appearance                   | no data available |
| b) Odour                        | no data available |
| c) Odour Threshold              | no data available |
| d) pH                           | no data available |
| e) Melting point/freezing point | 9.4°C             |

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|                                                 |                   |
|-------------------------------------------------|-------------------|
| f) Initial boiling point and boiling range      | 277°C             |
| g) Flash point                                  | >110°C            |
| h) Evaporation rate                             | no data available |
| i) Flammability (solid, gas)                    | no data available |
| j) Upper/lower flammability or explosive limits | no data available |
| k) Vapour pressure                              | no data available |
| l) Vapour density                               | no data available |
| m) Relative density                             | no data available |
| n) Water solubility                             | no data available |
| o) Partition coefficient: n-octanol/water       | no data available |
| p) Auto-ignition temperature                    | no data available |
| q) Decomposition temperature                    | no data available |
| r) Viscosity                                    | no data available |
| s) Explosive properties N                       | no data available |
| t) Oxidizing properties N                       | no data available |

## 9.2 Other safety information

no data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage conditions.

### 10.2 Chemical stability

no data available

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

Strong oxidizing agents

### 10.5 Incompatible materials

Hazardous decomposition products formed under fire conditions.- Carbon oxides, nitrogen oxides (NO<sub>x</sub>) <br/>Other decomposition products - no data available <br/>

### 10.6 Hazardous decomposition products

no data available

## SECTION 11: Toxicological information

## 11.1 Information on toxicological effects

### Acute toxicity

#### Skin corrosion/irritation

no data available

#### Serious eye damage/eye irritation

no data available

#### Respiratory or skin sensitisation

no data available

#### Germ cell mutagenicity

Possible human carcinogen <br><br><br>IARC: 2B - Group 2B: Possibly carcinogenic to humans (2-Nitroanisole)  
<br>ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a  
<br>carcinogen or potential carcinogen by ACGIH.<br>NTP: Reasonably anticipated to be a human carcinogen (2-Nitroanisole) <br><br>Aldrich - 236284 Page 5 of 6 <br>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a <br>carcinogen or potential carcinogen by OSHA.<br>

#### Carcinogenicity

no data available

#### Reproductive toxicity

no data available

#### Specific target organ toxicity - single exposure

no data available

#### Specific target organ toxicity - repeated exposure

no data available

#### Aspiration hazard

no data available

#### Additional Information

## SECTION 12: Ecological information

### 12.1 Toxicity

### 12.2 Persistence and degradability

no data available

### 12.3 Bioaccumulative potential

no data available

### 12.4 Mobility in soil

no data available

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### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Other adverse effects

no data available

## SECTION 13:

### 13.1 Disposal considerations

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**

no data available

## SECTION 14: Transport information

**DOT (US)**

|                                             |                                            |                                             |
|---------------------------------------------|--------------------------------------------|---------------------------------------------|
| UN number: 2730                             | Packing group: III                         | Class: 6.1                                  |
| Proper shipping name: Nitroanisoles, liquid | Reportable Quantity(RQ): no data available | Poison Inhalation Hazard: no data available |
| Environmental Hazards: no                   |                                            |                                             |

**IMDG**

|                                             |                    |                           |
|---------------------------------------------|--------------------|---------------------------|
| UN number: 2730                             | Packing group: III | EMS-No: no data available |
| Proper shipping name: Nitroanisoles, liquid |                    |                           |

**IATA**

|                                             |                    |            |
|---------------------------------------------|--------------------|------------|
| UN number: 2730                             | Packing group: III | Class: 6.1 |
| Proper shipping name: Nitroanisoles, liquid |                    |            |

## SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## SECTION 16: Other information

|                  |                                                                                                                                                     |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Prepared By      | Regulatory Affairs<br>ALADDIN SCIENTIFIC CORPORATION<br>Email: <a href="mailto:QualityAssurance@aladdinsci.com">QualityAssurance@aladdinsci.com</a> |
| Creation Date    | 10-Sep-2020                                                                                                                                         |
| Revision Date    | 18-Sep-2025                                                                                                                                         |
| Print Date       | 24-Sep-2025                                                                                                                                         |
| Revision Summary | SDS sections updated v1                                                                                                                             |

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