

Version: v1
Revision Date: 2023-07-18
Print Date: 2023-07-24

SAFETY DATA SHEET

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

1.1 Product identifiers

Product name : 2-Methyl-3-nitroaniline
Product Number : M106752
Brand : aladdin
CAS-No. : 603-83-8

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

Identified uses : 仅供科研用途，不作为药物、家庭备用药或其它用途。

1.3 Details of the supplier of the safety data sheet

Company : Shanghai Aladdin Biochemical Tech Co.,Ltd
Address : 36 Xinjinqiao Road, Shanghai
Telephone : 400-620-6333
Fax : no data available

1.4 Emergency telephone number

Emergency Phone : 0532-83889090

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

2.2 GHS Label elements, including precautionary statements

Pictogram	
Signal word	Danger
Hazard statement(s)	
H301	Toxic if swallowed
H311	Toxic in contact with skin
H331	Toxic if inhaled
H373	Causes damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects
Precautionary statement(s)	
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands [and ...] thoroughly after handling.

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P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P330	Rinse mouth.
P391	Collect spillage.
P302+P352	IF ON SKIN: wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to an approved waste disposal plant.

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms	: 2-Amino-6-nitrotoluene 3-Nitro-o-toluidine 1-Amino-2-methyl-3-nitrobenzene
Formula	: C7H8N2O2
Molecular weight	: 152.15
CAS No.	: 603-83-8
EC-NO.	: 210-059-6

Component	Classification	Concentration
2-Methyl-3-nitroaniline		
no data available		Analytical standard

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice 请教医生。向到现场的医生出示此安全技术说明书。
If inhaled no data available
In case of skin contact 用肥皂和大量的水冲洗。立即将患者送往医院。请教医生。
In case of eye contact 用水冲洗眼睛作为预防措施。
If swallowed 用水雾,抗乙醇泡沫,干粉或二氧化碳灭火。

4.2 Most important symptoms and effects, both acute and delayed

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主要症状和影响，急性和迟发效应人体吸入引起高铁血红蛋白形成，一定浓度后引起苍白病。一般2~4小时或更长时间内发作，据我们所知，此化学，物理和毒性性质尚未经完整的研究。

4.3 Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

用水雾,抗乙醇泡沫,干粉或二氧化碳灭火。

Unsuitable extinguishing media

no data available

5.2 Special hazards arising from the substance or mixture

戴呼吸罩。避免粉尘生成。避免吸入蒸气、烟雾或气体。保证充分的通风。人员疏散到安全区域。避免吸入粉尘。

5.3 Advice for firefighters

无数据资料

5.4 Further information

no data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

收集和处置时不要产生粉尘。扫掉和铲掉。放入合适的封闭的容器中待处理。

6.2 Environmental precautions

不要让产品进入下水道。

6.3 Methods and materials for containment and cleaning up

避免接触皮肤和眼睛。避免形成粉尘和气溶胶。在有粉尘生成的地方,提供合适的排风设备。

6.4 Reference to other sections

丢弃处理请参阅第13节。

SECTION 7: Handling and storage

7.1 Precautions for safe handling

无数据资料

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7.2 Conditions for safe storage, including any incompatibilities

贮存在阴凉处。使容器保持密闭，储存在干燥通风处。

7.3 Specific end use(s)

避免与皮肤、眼睛和衣服接触。休息前和操作本品后立即洗手。

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Appropriate engineering controls

根据工业卫生和安全使用规则来操作。休息以前和工作结束时洗手。

Personal protective equipment

Eye/face protection

no data available

Skin protection

使用前必须检查手套。请使用正确的方法取下手套（请勿触摸手套的外表面），并避免任何皮肤部位接触产品。使用后，请按照相关法律法规和有效的实验室规程和程序小心操作被污染的手套。请清洁并吹干为您的手选择的防护手套，必须符合法规（EU）2016/425中给出的规格以及由此衍生的en 374标准。

Body Protection

no data available

Respiratory protection

如危险性评测显示需要使用空气净化的防毒面具，请使用全面罩式多功能防毒面具（US）或ABEK型（EN 14387）防毒面具筒作为工程控制的候补。如果防毒面具是保护的唯一方式，则使用全面罩式送风防毒面具。呼吸器使用经过测试并通过政府标准如NIOSH（US）或CEN（EU）的呼吸器和零件。

Control of environmental exposure

no data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	form: 透明的 color: 深黄色
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	87-91°C
f) Initial boiling point and boiling range	305°C
g) Flash point	no data available
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

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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

酰基氯,酸酐,氯甲酸酯,强氧化剂

10.2 Chemical stability

在建议的贮存条件下是稳定的

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

吸入会中毒。可能引起呼吸道刺激。

10.5 Incompatible materials

误吞会中毒。

10.6 Hazardous decomposition products

无数据资料

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

no data available

Skin corrosion/irritation

无数据资料

Serious eye damage/eye irritation

如果被皮肤吸收会有毒性可能引起皮肤刺激。

Respiratory or skin sensitisation

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Germ cell mutagenicity

此产品中沒有大于或等于0.1%含量的组分被IARC鉴别为可能的或肯定的人类致癌物。

Carcinogenicity

细胞突变性-体内试验-大鼠-腹膜内的DNA损伤

Reproductive toxicity

化学物质毒性作用登记:XU8200000

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

可能引起眼睛刺激。

Aspiration hazard

生态 对鱼类的半数致死浓度 (LC50) - 肥头鲮鱼(黑头软口鲮鱼) - 5.0 - 54.0 mg/l- 96.0 h对水蚤和其他 水生无脊椎动物的半数效应浓度 (EC50) - 大型蚤(水蚤) -

Additional Information

no data available

SECTION 12: Ecological information**12.1 Toxicity**

no data available

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

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**

no data available

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Contaminated packaging

作为未用过的产品弃置。

SECTION 14: Transport information

DOT (US)

UN number: 2660

Packing group: III

Class: 6.1

Proper shipping name: NITROTOLUIDINES Reportable Quantity(RQ): no data available Poison Inhalation Hazard: 是 (MONO)

Environmental Hazards: 是

IMDG

UN number: 2660

Packing group: III

EMS-No: 否

Proper shipping name: NITROTOLUIDINES (MONO)

IATA

UN number: 2660

Packing group: III

Class: 6.1

Proper shipping name: NITROTOLUIDINES (MONO)

SECTION 15: Regulatory information

no data available

SECTION 16: Other information

Further information

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