

Version: v1
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SAFETY DATA SHEET

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

1.1 Product identifiers

Product name : N,N-Diethyl-m-toluidine
Product Number : D140168
Brand : aladdin
CAS-No. : 91-67-8

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

Precautionary statement(s)
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash hands [and ...] thoroughly after handling.
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.

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P391	Collect spillage.
P301+P312	IF SWALLOWED: call a POISON CENTER/doctor/... IF you feel unwell.
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.
P362+P364	Take off 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	: 3-Diethylaminotoluene;N,N-Diethyl-3-methylaniline;DMT;N,N-Diethyl-m-toluidine
Formula	: C11H17N
Molecular weight	: 163.26
CAS No.	: 91-67-8
EC-NO.	: 202-089-3

Component	Classification	Concentration
N,N-Diethyl-m-toluidine	no data available	>99.0%(GC)

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice**

请教医生。出示此安全技术说明书给到现场的医生看。
- If inhaled**

如果吸入,请将患者移到新鲜空气处。如果停止了呼吸,给于人工呼吸。请教医生。
- 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**

切勿给失去知觉者从嘴里喂食任何东西。用水漱口。请教医生。

4.2 Most important symptoms and effects, both acute and delayed

切勿给失去知觉者从嘴里喂食任何东西。用水漱口。请教医生。

4.3 Indication of any immediate medical attention and special treatment needed

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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小时或更长时间后发作,头晕,不配,失去知觉,肺部刺激,胸痛,肺水肿,甲苯吸入研究显示动物阴茎、包皮、阴囊过敏和溃疡。

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

如必要的话,戴自给式呼吸器去救火。

Unsuitable extinguishing media

no data available

5.2 Special hazards arising from the substance or mixture

用水雾,耐醇泡沫,干粉或二氧化碳灭火。

5.3 Advice for firefighters

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5.4 Further information

碳氧化物,氮氧化物

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

戴呼吸罩。防止吸入蒸汽、气雾或气体。保证充分的通风。将人员撤离到安全区域。

6.2 Environmental precautions

在确保安全的前提下,采取措施防止进一步的泄漏或溢出。不要让产物进入下水道。防止排放到周围环境中。

6.3 Methods and materials for containment and cleaning up

用惰性吸附材料吸收并当作危险废品处理。存放在适当的闭口容器中待处理。

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

避免接触皮肤和眼睛。防止吸入蒸汽和烟雾。

7.2 Conditions for safe storage, including any incompatibilities

贮存在阴凉处。容器保持紧闭,储存在干燥通风处。打开了的容器必须仔细重新封口并保持竖放位置以防止泄漏。

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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**

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**

面罩與安全眼鏡请使用经官方标准如NIOSH (美国) 或 EN 166(欧盟) 检测与批准的设备防护眼部。

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

防渗透的衣服, 阻燃防静电防护服, 防护设备的类型必须根据特定工作场所中的危险物的浓度和含量来选择。

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	no data available
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	no data available
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
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

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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

no data available

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

强氧化剂氧化剂

10.5 Incompatible materials

no data available

10.6 Hazardous decomposition products

半数致死浓度（LC50）吸入-大鼠-4 h - 4,660 mg/m³备注：感觉器官和特殊感觉（鼻、眼、耳和味觉）：嗅觉：其他改变。行为的：震颤。肺，胸，或者呼吸系统：其他变化

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

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。

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Carcinogenicity

no data available

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

吸入会中毒。可能引起呼吸道刺激。

Aspiration hazard

对鱼类的毒性 半数致死浓度 (LC50) - Pimephales promelas (黑头软口鲮鱼) - 7.3 mg/l -96.0 h

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

对水生生物有毒并有长期持续的影响。

12.6 Other adverse effects

no data available

SECTION 13:

13.1 Disposal considerations

Product

将剩余的或未回收的溶液交给处理公司。

Contaminated packaging

作为未用过的产品弃置。

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SECTION 14: Transport information

DOT (US)

UN number: no data available	Packing group: no data available	Class: 6.1
Proper shipping name: TOLUIDINES, LIQUID	Reportable Quantity(RQ): no data available	Poison Inhalation Hazard: no data
Environmental Hazards: 是		

IMDG

UN number: no data available	Packing group: no data available	EMS-No: no data available
Proper shipping name: TOLUIDINES, LIQUID		

IATA

UN number: no data available	Packing group: no data available	Class: 6.1
Proper shipping name: TOLUIDINES, LIQUID		

SECTION 15: Regulatory information

no data available

SECTION 16: Other information

Further information

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