

SAFETY DATA SHEET

Version: v1

Revision Date: 2023-11-15

Print Date: 2023-11-25

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

1.1 Product identifiers

Product name : Formamide
Product Number : F103361
Brand : aladdin
CAS-No. : 75-12-7

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 Company

1.5 Emergency telephone number

Emergency Phone : 0532-83889090
CHEMTREC®, Inside the USA :
CHEMTREC®, Inside the USA :

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)

H318 Causes serious eye damage
H331 Toxic if inhaled
H340 May cause genetic defects
H360 May damage fertility or the unborn child

Precautionary statement(s)

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

P201	Obtain special instructions before use.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P311	Call a POISON CENTER or doctor/...
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms	: Methanamide; Formic acid amide
Formula	: CH ₃ NO
Molecular weight	: 45.04
CAS No.	: 75-12-7
EC-NO.	: 200-842-0

Component	Classification	Concentration
Formamide	no data available	reagent grade,99%

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。请教医生。

In case of eye contact

谨慎起见用水冲洗眼睛。

If swallowed

用水雾，耐醇泡沫，干粉或二氧化碳灭火。

4.2 Most important symptoms and effects, both acute and delayed

最重要的症状和健康影响胃肠道功能紊乱,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

如有必要,佩戴自给式呼吸器进行消防作业。

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

no data available

Unsuitable extinguishing media

无数据资料

5.2 Special hazards arising from the substance or mixture

使用个人防护装备。避免吸入蒸气、气雾或气体。保证充分的通风。将人员疏散到安全区域。

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

Absorb with inert adsorption materials and treat as hazardous waste. Place in a suitable closed container for processing.

6.2 Environmental precautions

no data available

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No data available

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep the container tightly closed and store in a dry and ventilated place. The opened container must be carefully resealed and kept in an upright position to prevent leakage. Recommended storage temperature 2-8°C.

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 workday.

Personal protective equipment

Eye/face protection

no data available

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU)2016/425 and the standard EN 374 derived from it.

Body Protection

no data available

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN(EU).

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: Transparent liquid color: colorless
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	7.1 at 23 g/l
e) Melting point/freezing point	2 - 3 °C (36 - 37 °F)
f) Initial boiling point and boiling range	210 °C (410 °F)
g) Flash point	150 °C (302 °F) - closed cup
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	Lower explosion limit 2.7 %(V) Upper explosion limit 19 %(V)
k) Vapour pressure	0.11 hPa (0.08 mmHg) at 20 °C (68 °F)

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

l) Vapour density	no data available
m) Relative density	1.134 g/mL at 25 °C (77 °F)
n) Water solubility	no data available
o) Partition coefficient: n-octanol/water	-1.51
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	N
t) Oxidizing properties	N

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

加热。

10.4 Conditions to avoid

吸入有害。可能引起呼吸道刺激。

10.5 Incompatible materials

吞咽有害。

10.6 Hazardous decomposition products

LD50 经口- 大鼠- 雄性和雌性- 5,325 mg/kg LC50 吸入- 大鼠- 雄性- 4 h - > 21 mg/l LD50 经皮- 大鼠- 雄性和雌性- > 3,000 mg/kg 皮肤腐蚀

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

no data available

Skin corrosion/irritation

眼睛-家兔-轻度的眼睛刺激-OECD测试导则405

Serious eye damage/eye irritation

通过皮肤吸收有害。可能引起皮肤刺激。

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Respiratory or skin sensitisation

体外基因毒性 - Ames试验 - 鼠伤寒沙门氏菌 - 有或没有代谢活化作用 - 阴性体内基因毒性 - 小鼠 - 雄性和雌性 - 阴性

Germ cell mutagenicity

可疑人类致癌物此产品中没有大于或等于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

体外基因毒性-Ames试验-鼠伤寒沙门氏菌-有或没有代谢活化作用-阴性体内基因毒性-小鼠-雄性和雌性-阴性

Reproductive toxicity

重复染毒毒性-大鼠-雌性-经口-未观察到有害效果的水平-40mg/kg重复染毒毒性-大鼠-雄性和雌性-经皮-未观察到有害效果的水平-100mg/kg化学物质毒性作用登记:LQ0525000

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

no data available

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

The product does not contain any organic halogens.

SECTION 13:

13.1 Disposal considerations

Product

Recycle to process, if possible. Consult your local regional authorities and an expert of disposal. You may be able to

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

dissolve or mix material with a combustible solvent and little by little burn in a chemical incinerator equipped with an afterburner and scrubber system. If a large amount of the substance is burned at a time, an explosion may occur.

Observe all federal, state and local regulations when disposing of the substance.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

UN number: no data available

Packing group: -

Class: -

Proper shipping name: Not dangerous goods

Reportable Quantity(RQ): no data available

Poison Inhalation Hazard: No

Environmental Hazards: No

IMDG

UN number: no data available

Packing group: -

EMS-No: No

Proper shipping name: Not dangerous goods

IATA

UN number: no data available

Packing group: -

Class: -

Proper shipping name: Not dangerous goods

SECTION 15: Regulatory information

no data available

SECTION 16: Other information

Prepared By

Regulatory Affairs

Email: QualityAssurance@aladdinsci.com

Creation Date

10-Sep-2020

Revision Date

15-Nov-2023

Print Date

25-Nov-2023

Revision Summary

SDS sections updated v1

Disclaimer

Copyright Aladdin Co. Ltd. License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Aladdin Co. Ltd. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.