

SAFETY DATA SHEET

Version: v1
Revision Date: 2023-07-15
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : Iron nitrate nonahydrate
Product Number : F100212
Brand : aladdin
CAS-No. : 7782-61-8

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

Warning

Hazard statement(s)

H272

May intensify fire; oxidizer

H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
Precautionary statement(s)	
P220	Keep away from clothing and other combustible materials.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
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	: Iron(III) nitrate nonahydrate
Formula	: FeN3O9·9H2O
Molecular weight	: 404
CAS No.	: 7782-61-8
EC-NO.	: 233-899-5

Component	Classification	Concentration
Iron nitrate nonahydrate		
	no data available	99.999% metals basis

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

将受害者移到新鲜空气处，保持呼吸通畅，休息。若感不适请求医就诊。

In case of skin contact

立即脱掉被污染的衣服和鞋。用肥皂和大量的水冲洗。请教医生。

In case of eye contact

用大量水彻底冲洗至少15分钟并请教医生。

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，恶心，头晕，头痛，虚弱，不配，混乱，发绀，昏迷

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。Sigma-Aldrich-216828页码4的9

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

no data available

Unsuitable extinguishing media

氮氧化物,硫氧化物,硼烷/氧化硼,氧化铁

5.2 Special hazards arising from the substance or mixture

使用个人防护装备。避免粉尘生成。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。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

no data available

6.3 Methods and materials for containment and cleaning up

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

7.2 Conditions for safe storage, including any incompatibilities

使容器保持密闭，储存在干燥通风处。贮存在阴凉处。吸湿的.对空气敏感。充气保存

7.3 Specific end use(s)

Phone: +1 (833) 552-7181 Email: QualityAssurance@aladdinsci.com Website: <https://www.aladdinsci.com/>

按照良好的工业卫生和安全规范进行操作。休息前及工作结束时洗手。

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

Eyel/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	no data available
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	47.2°C
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
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

吸入可能有害。该物质对组织、粘膜和上呼吸道破坏力强

10.5 Incompatible materials

吞咽可能有害。引致灼伤。

10.6 Hazardous decomposition products

LD50 经口- 大鼠- 3,250 mg/kg皮肤腐蚀

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

no data available

Skin corrosion/irritation

可对眼睛造成严重损伤。

Serious eye damage/eye irritation

通过皮肤吸收可能有害。引起皮肤灼伤。

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。

Carcinogenicity

无数据资料

Reproductive toxicity

化学物质毒性作用登记:NO7175000

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

引起眼睛灼伤。

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

无数据资料

12.3 Bioaccumulative potential

无数据资料

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

无数据资料

12.6 Other adverse effects

no data available

SECTION 13:

13.1 Disposal considerations

Product

no data available

Contaminated packaging

作为未用过的产品弃置。

SECTION 14: Transport information

DOT (US)

UN number: 3260	Packing group: II	Class: 8
Proper shipping name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Ferric nitrate nonahydrate)	Reportable Quantity(RQ): no data available	Poison Inhalation Hazard: 否
Environmental Hazards: 否		

IMDG

UN number: 3260	Packing group: II	EMS-No: 否
Proper shipping name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Ferric nitrate nonahydrate)		

IATA

UN number: 3260	Packing group: II	Class: 8
Proper shipping name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Ferric nitrate nonahydrate)		

SECTION 15: Regulatory information

no data available

SECTION 16: Other information

Further information

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