

Version: v1
Revision Date: 2023-07-22
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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 : chromic anhydride
Product Number : C112727
Brand : aladdin
CAS-No. : 1333-82-0

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

Identified uses : It is only for scientific research purposes, not for medicine, family standby medicine or other purposes.

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)

H271	May cause fire or explosion; strong Oxidizer
H301	Toxic if swallowed
H310	Fatal in contact with skin
H314	Causes severe skin burns and eye damage
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H340	May cause genetic defects
H350	May cause cancer
H361	Suspected of damaging fertility or the unborn child

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H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
Precautionary statement(s)	
P201	Obtain special instructions before use.
P220	Keep away from clothing and other combustible materials.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P310	Immediately call a POISON CENTER or doctor/physician.
P302+P350	IF ON SKIN: Gently wash with plenty of soap and water.
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	: Chromic anhydride Chromic acid Chromium(VI)oxide Anadonis green Chromic oxide Chrome green Chromium sesquioxide	
Formula	: CrO3	
Molecular weight	: 99.99	
CAS No.	: 1333-82-0	
EC-NO.	: 215-607-8	
Component	Classification	Concentration
chromic anhydride		
	no data available	99.9% metals basis

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice
no data available
If inhaled
no data available
In case of skin contact
no data available
In case of eye contact
no data available
If swallowed
no data available

4.2 Most important symptoms and effects, both acute and delayed

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no data available

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

no data available

Unsuitable extinguishing media

no data available

5.2 Special hazards arising from the substance or mixture

no data available

5.3 Advice for firefighters

no data available

5.4 Further information

no data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

扫掉和铲掉。围堵溢出，用防电真空清洁器或湿刷子将溢出物收集起来，并放置到容器中去,根据当地规定处理(见第13部分)。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

避免接触皮肤和眼睛。避免形成粉尘和气溶胶。避免曝露：使用前需要获得专门的指导。在有粉尘生成的地方,提供合适的排风设备。切勿靠近火源。- 严禁烟火。

6.4 Reference to other sections

For disposal see section 13.

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。吸湿的热敏感。

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

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

Gloves must be checked before use. Please use proper methods to remove the gloves (do not touch the outer surface of the gloves), and avoid any skin parts contacting the product. After use, please handle the contaminated gloves carefully according to relevant laws and regulations and effective laboratory rules and procedures. Please clean and blow dry the protective gloves selected for your hands must meet the specifications given in regulation (EU 2016 / 425 and the en 374 standard derived from it.

Body Protection

no data available

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface respirator with multi-purpose combination (US) or type ABEK (EN 14387) 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: 水晶 color: 紫罗兰
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	196 °C (385 °F) - dec.
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

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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	2.700 g/cm ³
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

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

吸入可能致死。该物质对组织、粘膜和上呼吸道破坏力强

10.5 Incompatible materials

误吞会中毒。引致灼伤。

10.6 Hazardous decomposition products

LD50 经口- 大鼠- 雄性和雌性- 52 mg/kg LC50 吸入- 大鼠- 雄性- 4 h - 217 mg/m³ LD50 经皮- 家兔- 雄性和雌性- 57 mg/kg . 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-腐蚀眼睛

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Serious eye damage/eye irritation

如果被皮肤吸收会有毒性引起皮肤灼伤。

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

该产品是或包含被IARC,ACGIH,EPA,和NTP列为致癌物的组分对人类的致癌物。1-第1组：对人类致癌(Chromium(VI)oxide)

Carcinogenicity

可能改变遗传的物质体内试验表明有致突变效应

Reproductive toxicity

化学物质毒性作用登记:GB6650000

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

引起眼睛灼伤。

Aspiration hazard

对鱼类的LC50 - Tilapia mossambica - 21.05 - 141.38 mg/l- 96.0 h LC0 - Leuciscus idus (高体雅罗鱼) - 100 mg/l- 48.0 h 对水蚤和其他水生无脊椎动物的EC50 - Daphnia magna (水蚤) - 0.8 mg/l- 48 h

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

对水生生物毒性极大并具有长期持续影响。

12.6 Other adverse effects

no data available

SECTION 13:

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13.1 Disposal considerations

Product

no data available

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

UN number: 1463	Packing group: II	Class: 5.1(6.1,8)
Proper shipping name: CHROMIUM TRIOXIDE, ANHYDROUS	Reportable Quantity(RQ): no data available	Poison Inhalation Hazard: 是
Environmental Hazards: 是		

IMDG

UN number: 1463	Packing group: II	EMS-No: 否
Proper shipping name: CHROMIUM TRIOXIDE, ANHYDROUS		

IATA

UN number: 1463	Packing group: II	Class: 5.1(6.1,8)
Proper shipping name: CHROMIUM TRIOXIDE, ANHYDROUS		

SECTION 15: Regulatory information

no data available

SECTION 16: Other information

Further information

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