

MATERIAL SAFETY DATA SHEET

USA version v1.01 Revision Date 2012-5-29

Print Date 2015-5-8

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product identifiers

Product name : Chromium picolinate

Product Number : C101910

CAS-No. : 14639-25-9

Alias name : Picolinic Acid Chromium(III) Salt Chromium(III) Pyridine-2-carboxylate Pyridine-2-carboxylic Acid Chromium(III) Salt

Brand : aladdin

1.2 Other identification methods

no data available

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

no data available

1.4 Details of the supplier of the safety data sheet

Company : Jiangsu Khonor Chemicals Co., Limited

Rm 1902 Easey Comm
Bldg, 253-261, Hennessy
RD Wanchai HK

Telephone : +86 19851890163

Department : Sales Department

E-mail address : jane@khonorchem.com

1.5 Emergency telephone number : +86 19851820538

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Health hazards

Serious eye damage : Eye Irrit. 2

Skin corrosion/Irritation : Skin Irrit. 2

Specific target organ toxicity - single exposure : STOT SE 3

2.2 GHS Label elements

Pictogram



GHS07:Exclamation Mark;

Signal word

【Warning】

Hazard statement(s)

H315

Causes skin irritation

H319

Causes serious eye irritation

H335

May cause respiratory irritation

Precautionary statement(s)

P261

Avoid breathing dust/fume/gas/mist/vapours/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.

RS

Hazard symbol(s)

Xi

R-phrases(s)

R36/37/38

S-phrases(s)

S26;S36

2.3 Other hazards - none

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Formula : $C_{18}H_{12}CrN_3O_6$

Molecular Weight : 418.30 g/mol

Composition ingredients (Substance)		Concentration
Chromium picolinate		
CAS-No.	14639-25-9	98%
EC-No.	no data available	

4 FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
no data available

4.3 Indication of immediate medical attention and special treatment needed
no data available

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Fire disaster Features

Not flammable or combustible.

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Chromium oxides

5.3 Precautions for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

no data available

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

- 6.4 Reference to other sections
no data available

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end uses

no data available

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

The maximum allowed concentration

Composition ingredients	CAS-No.	Value	Control parameters	standard
Chromium picolinate	14639-25-9	PC-TWA	no data available	Permissible concentration-Time Weighted Average (China)
		no data available	no data available	no data available

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

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves 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.

Body Protection

impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	Form : crystalline Colour : dark violet
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting/freezing point	> 300 °C (> 572 °F)
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	14.44 - (Air = 1.0)
m) Relative density	no data available
n) Solubility / Water solubility	no data available
o) Partition coefficient noctanol/water	no data available
p) Autoignition temperature(°C/°F)	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available

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

no data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Chromium oxides

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

no data available

subAcute toxicity

no data available

Irritation

no data available

Skin corrosion/Irritation

no data available

Serious eye damage/eye irritation

no data available

AspirationHazard

no data available

Germ cell mutagenicity

no data available

Carcinogenicity, IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

no data available

Potential health effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. Causes skin irritation.
Eyes	Causes eye irritation.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information

no data available

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

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

Additional Information :

no data available

14 TRANSPORT INFORMATION

14.1 UN-Number

ADR/RID : no data available

IMDG : no data available

IATA : no data available

14.2 UN proper shipping name

ADR/RID : no data available

IMDG : no data available

IATA : no data available

14.3 Transport hazard class(es)

ADR/RID : no data available

IMDG : no data available

IATA : no data available

- 14.4 Packaging group
ADR/RID : no data available IMDG : no data available IATA : no data available
- 14.5 Environmental hazards
ADR/RID :no data available IMDG Marine pollutant :no data available IATA : no data available
- 14.6 Special precautions for users
no data available
-

15 REGULATORY INFORMATION

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- 15.1 Chemical Safety Assessment
OSHA Hazards Irritant SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards Acute Health Hazard Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act. Pennsylvania Right To Know Components Chromium(III) picolinate CAS-No. 14639-25-9 Revision Date 2007-03-01 New Jersey Right To Know Components Chromium(III) picolinate CAS-No. 14639-25-9 Revision Date 2007-03-01 California Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
-

16 OTHER INFORMATION

- Further information
Copyright : no data available
no data available
-