

MATERIAL SAFETY DATA SHEET

安全特性报告

MSDS Name (报告物名称): D-Lysine Hydrochloride

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

第一部分 化工产品单位

MSDS Name (报告物名称): D-Lysine Hydrochloride

Relevant identified uses of the substance or mixture and uses advised against Identified uses : Laboratory chemicals, Manufacture of substances

Catalog Numbers (化工品分类号): D-6371

Product Number : 639738

Synonyms(又名): D-Lysine HCl

Company Identification(发件公司名称): Sichuan Tongsheng Amino acid Co., Ltd

For information call(一般联系电话): 86-838-2274206

For emergencies call(应急联系电话): 86-13981077607

SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

第二部分 成分特点

C A S # 化学特性索引号码	Chemical Name 化学名称	% 浓度	EINECS# 现存化学物质欧洲数据库号码
7274-88-6	D-Lysine Hydrochloride	NLT 98.5%	230-691-6

SECTION 3- HAZARDS IDENTIFICATION

第三部分 危险特征

3.1

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

This substance is not classified as dangerous according to Directive 67/548/EEC.

3.2

Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

3.3

Other hazards -none

SECTION 4 FIRST AID MEASURES

第四部分 应急医疗救治

FIRST AID MEASURES

4.1

Description of first aid measures

If inhaled

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

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

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

4.2

Most important symptoms and effects, both acute and delayed

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

4.3

Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5 FIRE FIGHTING MEASURES

第五部分 消防补救方法

5.1

Extinguishing media

Suitable extinguishing media

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

5.2

Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO_x), Hydrogen chloride gas

5.3

Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4

Further information

no data available

SECTION 6 ACCIDENTAL RELEASE MEASURES

第六部分 事故处理

6.1

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas.

6.2

Environmental precautions

Do not let product enter drains.

6.3

Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4

Reference to other sections

For disposal see section 13.

SECTION 7 HANDLING and STORAGE

第七部分 处理和存放

7.1

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2

Conditions for safe storage, including any incompatibilities

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

7.3

Specific end uses

no data available

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

第八部分 安全控制和人员保护

8.1

Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2

Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

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 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 EU Directive 89/686/EEC and the standard EN 374 derived from it.

Immersion protection

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: > 480 min

Material tested: Dermatril. (Aldrich Z677272, Size M)

Splash protection

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: > 30 min

Material tested: Dermatril. (Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 873000, e-mail sales@kcl.de,

test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and

approved under appropriate government standards such as NIOSH (US) or CEN (EU).

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

第九部分 物化性质

Physical State(物理状态): solid 固体	Color(颜色): White or off-white 白色或类白色
Odor(气味): N/A	Odour Threshold): N/A
pH: N/A	Initial boiling point and boiling range: N/A
Vapor Pressure(蒸汽压力): N/A	Viscosity(黏度): N/A
Boiling Point(沸点): N/A	Melting point/freezing point : 263 °C
Autoignition Temperature(自燃温度): N/A	Flash Point(闪点): N/A
Evaporation rate no data available: N/A	Flammability (solid, gas) : N/A
Explosive properties: N/A	Vapour density: N/A
Relative density: N/A	Water solubility: N/A
Partition coefficient octanol/water: N/A	Autoignition temperature: N/A
Upper/lower flammability or Explosion Limits: N/A	Explosion Limits, upper(爆炸极限, 高): N/A
Decomposition Temperature(分解温度): N/A	Solubility in water(溶解度): N/A
Molecular Formula(分子式): C ₆ H ₁₄ N ₂ O ₂ ·HCl	Molecular Weight(分子量): 182.7
Oxidizing properties: N/A	

SECTION 10 STABILITY AND REACTIVITY

第十部分 稳定性和活性

10.1 Reactivity
no data available

10.2 Chemical stability
no data available

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
Other decomposition products -no data available

SECTION 11 TOXICOLOGICAL INFORMATION

第十一部分 毒性信息

1.1 Information on toxicological effects

Acute toxicity
LD50 Oral -rat -10,000 mg/kg
Remarks: Behavioral:Altered sleep time (including change in righting reflex). Behavioral:Ataxia. Lungs, Thorax, or Respiration:Dyspnea.
Skin corrosion/irritation
no data available
Serious eye damage/eye irritation
no data available
Respiratory or skin sensitization
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

no data available

Specific target organ toxicity -repeated exposure

no data available

Aspiration hazard

no data available

Potential health effects

Inhalation

Ingestion

Skin

Eyes

May be harmful if inhaled. May cause respiratory tract irritation.

May be harmful if swallowed.

May be harmful if absorbed through skin. May cause skin irritation.

May cause 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

RTECS: OL5650000

SECTION 12 ECOLOGICAL INFORMATION

第十二部分 生态学信息

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

SECTION 13 DISPOSAL CONSIDERATIONS

第十三部分 销毁建议

13.1

Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

SECTION 14 TRANSPORT INFORMATION

第十四部分 空运信息

14.1 UN number

ADR/RID: -IMDG: -IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -IMDG: -IATA: -

14.4 Packaging group

ADR/RID: -IMDG: -IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

no data available

SECTION 15 REGULATORY INFORMATION

第十五部分 法规信息

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

1 Safety, health and environmental regulations/legislation specific for the substance or mixture
no data available

2 Chemical Safety Assessment
no data available

SECTION 16 OTHER INFORMATION

第十六部分 其他信息

Further information

Reported by: (报告人)

Company Name: 四川同晟氨基酸有限公司

公司名称:

Authorized Person: 伍万兵

报告人:

Date: 2013-12-26

日期:

Signature: _____

签名:

