

# MATERIAL SAFETY DATA SHEET

## 快件声明物安全特性报告

MSDS Name (报告物名称): 2-(2-(2-Aminoethoxy)ethoxy)acetic acid,  
8-Amino-3,6-dioxaoctanoic acid, Amino-PEG2-CH<sub>2</sub>COOH,  
第一部分 化工产品 & 发件单位

MSDS Name (报告物名称):  
Catalog Numbers (化工品分类号): 2-(2-(2-Aminoethoxy)ethoxy)acetic acid,  
8-Amino-3,6-dioxaoctanoic acid, Amino-PEG2-CH<sub>2</sub>COOH,  
Synonyms(又名): 2-(2-(2-Aminoethoxy)ethoxy)acetic acid  
Company Identification(发件公司名称): Chengdu Pukang Biotechnology Co., Ltd  
For information call(一般联系电话): 86-28-82550498  
For emergencies call(应急联系电话): 86-28-82550498

## SECTION 2- HAZARDS IDENTIFICATION

### 第二部分 危险特征

ROUTE OF EXPOSURE(暴露途径): May be harmful by inhalation, ingestion, or skin absorption.

on the skin(在皮肤上面): May cause skin irritation.

on the eye(在眼睛上面): May cause eye irritation

Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption.

## SECTION 3- COMPOSITION, INFORMATION ON INGREDIENTS

### 第三部分 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
134978-97-5	2-(2-(2-Aminoethoxy)ethoxy)acetic acid,		

## SECTION 4 FIRST AID MEASURES

### 第四部分 应急医疗救治

After inhalation (吸入后): If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

After skin contact (皮肤接触后): In case of contact, immediately wash skin with soap and copious amounts of water.

After eye contact (眼睛接触后): In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

AFTER INGESTION (吞咽后) If swallowed, wash out mouth with water provided person is conscious. Call a physician.

## SECTION 5 FIRE FIGHTING MEASURES

### 第五部分 消防补救方法

EXTINGUISHING MEDIA (适当的灭火剂) Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Specific Hazard(s): (由原材料引起的特别有害物,其燃烧所产生的物质或者制造的气体):Emits toxic fumes under fire conditions.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: (特殊防护性的设备:) Wear self-contained breathing apparatus and protective clothing

to prevent contact with skin and eyes.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### 第六部分 事故处理

PROCEDURE(S) OF PERSONAL PRECAUTION(S): (与人有关的安全防范措施) Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP: (清洁方式): Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

## SECTION 7 HANDLING and STORAGE

### 第七部分 处理和存放

Handling(处理)Directions for Safe Handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE (存放)

Conditions of Storage: transportation at below 25 deg C & long storage at 2-8 degC, away from light

## SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

### 第八部分 安全控制和人员保护

ENGINEERING CONTROLS (工程控制): Safety shower and eye bath. Mechanical exhaust required.

Components with critical values that require monitoring at the workplace(在工作场需要监控的限值成分): Not required.

Additional information(额外的资料): No data

GENERAL HYGIENE MEASURES(一般保护和卫生措施): Respiratory Protection: Use respirators and components tested and

approved under appropriate government standards such as NIOSH (US)

or CEN (EU). 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.

Hand Protection: Compatible chemical-resistant gloves.

Eye Protection: Chemical safety goggles.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### 第九部分 物化性质

Form(物理状态): Powder

Color(颜色): White

Odor(气味): N/A

pH: N/A

Vapor Pressure(蒸汽压力): N/A

Viscosity(黏度): N/A

Boiling Point(沸点): N/A

Freezing/Melting Point (熔点): N/A

Autoignition Temperature(自燃温度): N/A

Flash Point(闪点): N/A

Explosion Limits, Lower(爆炸极限, 低): 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<sub>6</sub>H<sub>13</sub>NO<sub>4</sub>

Molecular Weight(分子量): 163.17

## SECTION 10 STABILITY AND REACTIVITY

### 第十部分 稳定性和活性

STABILITY (稳定性): Materials to Avoid: Strong oxidizing agents, Strong acids.

## HAZARDOUS DECOMPOSITION PRODUCTS

Dangerous products of decomposition(危险的分解产品): Carbon monoxide, Carbon dioxide, Nitrogen oxides.

## Nitrogen oxides SECTION 11 TOXICOLOGICAL INFORMATION

### 第十一部分 毒性信息

SIGNS AND SYMPTOMS OF EXPOSURE ( ): To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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## SECTION 12 ECOLOGICAL INFORMATION

### 第十二部分 生态学信息

No data available.

## SECTION 13 DISPOSAL CONSIDERATIONS

第 1 3 部分 销毁建议

SUBSTANCE DISPOSAL (销毁建议)

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

SECTION14 TRANSPORT INFORMATION

第 1 4 部分 空运信息

RID/ADR

Non-hazardous for road transport.

IMDG

Non-hazardous for sea transport.

IATA

Non-hazardous for air transport.

SECTION15 Regulations Information

第十五部分： 监管信息

Caution: Substance not yet fully tested (EU).

COUNTRY SPECIFIC INFORMATION

Self-Classification

SECTION16 Other information:

第十六部分 其它资料

WARRANTY

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. Chengdu Pukang Biotechnology Co., Ltd, shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Company Name: Chengdu Pukang Biotechnology Co., Ltd

公司名称:

Authorized Person: Luo Qiangdong

报告人:

Date: 2020-03-20

日期:

Signature: \_\_\_\_\_

签名:

