


<b>Product Name:</b> (6-Amino-6-Deoxy)- $\beta$ -cyclodextrin	<b>Product Number:</b> CY-(E)-2024	<b>Date:</b> 2013.05.14.
 <b>CYCLOLAB R&amp;D. Ltd., Budapest, Hungary</b>		<b>Date of last revision:</b> 2013.02.12.
		<b>Version:</b> 1.0

**1. Identification of the Substance/Preparation and Company****Name of substance/preparation:**

Chemical name: (6-Amino-6-Deoxy)- $\beta$ -cyclodextrin hydrochloride  
Commercial name: -

**Use of substance/preparation:**

Laboratory chemicals, manufacture of substances,  
solubilizer, chiral separator

**Information about Manufacturer:**

Cyclolab R&D. Ltd., Budapest, Hungary  
H-1097 Budapest, IX. Illatos út 7, Hungary  
Tel: (36-1)-347-60-60; Fax: (36-1)-347-60-68; e-mail: [cyclolab@cyclolab.hu](mailto:cyclolab@cyclolab.hu)

**2. Hazards Identification****Classification and labelling according to EC 1272/2008**

H-phrase	-	-
P-phrase	-	-

Not a dangerous substance according to GHS.

**Classification and labelling according to 67/548/EEC, EC 1999/45**

R-phrase	-	-
S-phrase	-	-

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

**Further information:**

Risk of dust explosion.

**3. Composition/Information on ingredients****Chemical characterization (preparation):**

EC-No.	CAS No.	Chemical characteristics
-	-	-

**4. First-Aid Measures****General information**

In case of accident or if you feel unwell seek medical advice (show label or MSDS where possible)

**If inhaled**

Provide fresh air.

**In case of skin contact**

Wash off with plenty of water and soap.

**In case of eye contact**

Rinse thoroughly with plenty of water.

**If swallowed**

Rinse mouth with water. Drink several small portions of water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

**5. Fire Fighting Measures****Suitable extinguishing media:**

Water, extinguishing powder, alcohol-resistant foam, carbon dioxide

**Extinguishing media which must not be used for safety reasons:**


n.d.

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:**

At low oxygen level: carbon monoxide

**Special protective equipment for fire fighters:**

Use respiratory protection independent of recirculated air.

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## 6. Accidental Release Measures

### Personal precautions:

Avoid dust formation. Do not breath dust.

### Environmental precautions:

Cover any spilled material in accordance with regulations to prevent dispersal by wind. Observe local/state/federal regulations.

### Methods for cleaning up:

Take up mechanically and dispose of according to local/state/federal regulations. Avoid formation of dust and dust deposition. Wash the surface with ethanol or acetone Dispose cleansing liquid in accordance with local/state/federal regulations.

## 7. Handling and Storage

### Handling

**Precaution for safe handling:** Avoid dust formation.

**Precautions against fire and explosion:** Observe the general rules for fire prevention. Avoid dust deposit, remove dust regularly. Take precautionary measures against electrostatic charging. Take precautionary measures against dust explosion.

### Storage

**Conditions for storage rooms and vessels:** Observe precautionary measures against dust explosion.

**Advice for storage of incompatible materials:** none known

**Further information for storage:** Keep container tightly closed. Protect from direct light and source of heat. Store under dry conditions below 30 °C, in well-ventilated place.

## 8. Exposure Control and Personal Protection Equipment

### Exposure limits

n.d.

### Exposure limited and controlled

#### Exposure in the workplace limited and controlled:

**General protection and hygiene measures:** Observe standard industrial hygiene practices for the handling of chemical substances.

#### Personal protection equipment:

*Respiratory protection:* In case of dust formation: fine dust mask without protection rating.

*Hand protection:* rubber gloves

*Eye protection:* tight fitting protective goggles

#### Exposure to the environment limited and controlled:

Prevent material from entering surface waters and soil

### Further information for system design and engineering measures

Observe information in section 7.


## 9. Physical and Chemical Properties

### General information

<b>Physical state/form</b>	solid - powder
<b>Colour</b>	white or slightly yellow
<b>Odour</b>	n.a.

### Important information about the protection of health, safety, and the environment

<b>Ignition temperature</b>	n.d.
<b>Phase transition</b>	n.d.
<b>Oxidizing properties</b>	no
<b>Lower explosion limit (LEL)</b>	n.d.
<b>Upper explosion limit (UEL)</b>	n.d.
<b>Bulk density</b>	n.d.
<b>Water solubility / miscibility</b>	non water soluble
<b>pH- value (1% in water)</b>	n.a.

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**Other information**

See Product Information Sheet.

**10. Stability and Reactivity****General information:**

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

**Conditions to avoid:**

None known

**Materials to avoid:**

Decomposes in strongly acidic and basic solutions

**Hazardous decomposition products:**

None known

**11. Toxicological Information****General information:**

According to our present state of knowledge no damaging effect expected when treated in accordance with standard industrial practices and local regulations where applicable.

**Toxicological tests:**

**Acute toxicity (LD50/LC50-values relevant to classification):**

n.d.

**Primary irritation:**

n.d.

**Sensitization:**

n.d.

**Substance to chronic toxicity:**

n.d.

**Reference points for mutagenic potential:**

n.d.

**Experience with man:**

n.d.

**12. Ecological Information****Ecotoxicity**

n.d.

**Mobility**

n.d.

**Persistence and degradability**

**Biodegradation / further information:**

n.d.

**Bio-accumulation potential**

n.d.

**13. Disposal Considerations****Material**

**Recommendation:**

Observe local/state/federal regulations.

**Uncleaned packaging**

**Recommendation:**


Completely discharge containers (no powder rest, scraped carefully). Containers may be recycled or re-used.

Observe local/state/federal regulations.

**14. Transport Regulations****Land transport ADR and RID:**

**Road ADR:**

Not regulated for transport.

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**Railway RID:**

Not regulated for transport

**Transport by sea IMDG-Code:****Sea IMDG-Code:**

Not regulated for transport

**Air transport ICAO-TI/IATA-DGR:****Air transport ICAO-TI/IATA-DGR:**

Not regulated for transport

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**15. Regulatory Information**

National and local regulations must be observed.

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**16. Other Information****Material**

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet (if applicable).

**Further information**

This version supersedes all previous versions.