


<b>Product name: <math>\beta</math>-cyclodextrin Phosphate Sodium Salt (DS ~2-6)</b>	<b>Product code: CY-2017.1</b>	<b>Revised date: 2015.03.09.</b>
 <b>CYCLOLAB R&amp;D. Ltd., Budapest, Hungary</b>		<b>Version: 1.0</b>

## 1. Identification of the Substance/Preparation and Company

### Name of substance/preparation:

Chemical name:  $\beta$ -cyclodextrin phosphate sodium salt  
Abbreviation: PBCD26

### Use of substance/preparation:

Laboratory chemicals, solubilizer

### 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
-	-	$\beta$ -Cyclodextrin Phosphate Sodium Salt

## 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:


No data (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.

<b>Product name: <math>\beta</math>-cyclodextrin Phosphate Sodium Salt (DS ~2-6)</b>	<b>Product code: CY-2017.1</b>	<b>Revised date: 2015.03.09.</b>
 <b>CYCLOLAB R&amp;D. Ltd., Budapest, Hungary</b>		<b>Version: 1.0</b>

## 6. Accidental Release Measures

### Personal precautions:

Wear personal protection equipment. Avoid eye or skin contact. Avoid dust formation. Do not breathe 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. Dispose of cleansing water 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 to slight yellow
<b>Odour</b>	n.a.

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

<b>Flash point</b>	n.d.
<b>Ignition temperature</b>	n.d.
<b>Auto-ignition temperature</b>	n.d.
<b>Oxidizing properties</b>	n.d.
<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 (in 100 cm<sup>3</sup> at 25 °C)</b>	>50 g

<b>Product name: <math>\beta</math>-cyclodextrin Phosphate Sodium Salt (DS ~2-6)</b>	<b>Product code: CY-2017.1</b>	<b>Revised date: 2015.03.09.</b>
 <b>CYCLOLAB R&amp;D. Ltd., Budapest, Hungary</b>		<b>Version: 1.0</b>

<b>pH- value (1% in water)</b>	n.d.
--------------------------------	------

**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:**

Strong oxidizing agents

**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:**

Prevent material from entering surface waters and soil. Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.

**Uncleaned packaging****Recommendation:**

Dispose of as unused product. Observe local/state/federal regulations.

<b>Product name: <math>\beta</math>-cyclodextrin Phosphate Sodium Salt (DS ~2-6)</b>	<b>Product code: CY-2017.1</b>	<b>Revised date: 2015.03.09.</b>
 <b>CYCLOLAB R&amp;D. Ltd., Budapest, Hungary</b>		<b>Version: 1.0</b>

#### 14. Transport Regulations

##### Land transport ADR and RID:

**Road ADR:**

Not regulated for transport.

**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

---

#### 15. Regulatory Information

National and local regulations must be observed.

---

#### 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.