

## Material Safety Data Sheet

No :KY100442

### Section 1 - Product and Company Identification

**MSDS Name:** Bisphenol E Cyanate Easten

**Synonyms:** 1,1-Bis(4-cyanatophenyl)ethane; 4,4'-bis(phenyl cyanate)ethane;  
4,4'-ethylidenediphenyl dicyanate

**Company Identification:** Hangzhou KeYingChemCo., Ltd.

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### Section 2 - Hazards Identification

#### Classification of the substance or mixture

According to Regulation (EC) No 1272/2008

Acute toxicity (Category 4)

Eye Dam(Category1)

Aquatic Acute (Category1)

Aquatic Acute (Category1)

According to European Directive 67/548/EEC as amended.

Acute toxicity, toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## Label elements

### Pictogram



Signal word      Danger

### Hazard statement(s)

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure .

H410 Very toxic to aquatic life with long lasting effects.

### Precautionary statement(s)

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

### Hazard symbol(s)

Xn Harmful

N Dangerous for the environment

### R-phrases(s)

R20/22 Harmful by inhalation and if swallowed

R41 Risk of serious damage to eyes

R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed

R50/53 Very Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

### S-phrases(s)

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection

S60 This material and/or its container must be disposed of as hazardous waste

S61 Avoid release to the environment. Refer to special instructions safety data sheet

**Other hazards-**none

### Section 3 - Hazards Identification

CAS#	Chemical Name	%	EINECS#
47073-92-7	Bisphenol E Cyanate Easten	95+	405-740-1

### Section 4 - First Aid Measures

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** Get medical aid.Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** Get medical aid immediately. Wash mouth out with water.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:** Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Extinguishing Media:** Use foam, dry chemical, or carbon dioxide.

### Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in

suitable container.

## Section 7 - Handling and Storage

**Handling:** Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

**Storage:** Store in a cool, dry place. Store in a tightly closed container.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits:** CAS# : 47073-92-7

### Personal Protective Equipment

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## Section 9 - Physical and Chemical Properties

**Physical State:** Granular crystals

**Color:** White.

**Odor:** Not available.

**pH:** Not available.

**Vapor Pressure:** Not available.

**Viscosity:** Not available.

**Boiling Point:** Not available.

**Freezing/Melting Point:** 80-82°C.

**Autoignition Temperature:** Not available.

**Flash Point:** Not available.

**Explosion Limits:Lower:** Not available.

**Explosion Limits Upper:** Not available.

**Decomposition Temperature:** >450°C.

**Solubility in water:** Not available.

**Molecular Formula:** C<sub>16</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>

**Molecular Weight:** 264.284

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Incompatible materials.

**Incompatibilities with Other Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, oxides of nitrogen, carbon dioxide,

## Section 11 - Toxicological Information

**RTECS#:** CAS# 47073-92-7: None listed

**LD50/LC50:** RTECS: Not available.

**Carcinogenicity:** Bisphenol E Cyanate Easten - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

**Eye:** Causes eye irritation.

**Skin:** Causes skin irritation.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled.

## Section 12 - Ecological Information

Not available.

## Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

## Section 14 - Transport Information

Not available.

## Section 15 - Regulatory Information

### European/International Regulations

European Labeling in Accordance with EC Directives

#### **WGK (Water Danger/Protection):**

CAS# 47073-92-7: Not available

Canada

CAS#47073-92-7 is listed on Canada's DSL List

#### **US Federal**

TSCA

CAS# 47073-92-7 is listed on the TSCA Inventory.

## Section 16 - Additional Information

**MSDS Creation Date:** 08/07/2009

**Revision #1 Date:** 18/04/2012

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.*