



扫描二维码  
关注谱尼测试

PONY-BG186-2-012-1-2017A

# PONY

Pony Testing International Group

Report No.: GOIXK49V16085516

# SDS Report

Sample Description

Cyanuric acid

Applicant

Chemball (Hangzhou) Chemicals Co., Ltd.

WWW.CHEMBALL.COM



Pony Testing International Group

www.ponytest.com



Code: virqmr7w6z

## PONY 谱尼测试

Pony Testing International Group

Hotline 400-819-5688

www.ponytest.com

北京实验室: (010)83058000

上海实验室: (021)64851999

青岛实验室: (0532)88706866

深圳实验室: (0755)26050909

天津实验室: (022)23607888

苏州实验室: (0512)62997900

长春实验室: (0431)85150908

大连实验室: (0411)87336618

哈尔滨实验室: (0451)58627755

郑州实验室: (0371)69350670

新疆实验室: (0991)6684186

石家庄实验室: (0311)85376660

西安实验室: (029)89608785

呼和浩特实验室: (0471)3450025

杭州实验室: (0571)85806807

宁波实验室: (0574)87977185

武汉实验室: (027)85997127

合肥实验室: (0551)63843474

广州实验室: (020)89224310

厦门实验室: (0592)5568048

成都实验室: (028)87702708

## 声明 Statement

1. 本证明/报告的结论仅对委托方所送样品负责。  
The conclusion of the certificate/report is responsible for the provided sample only.
2. 委托方必须如实提供样品, 申报和声明资料, 并保证与实际相符, 否则由委托方承担由此导致的全部后果和责任。  
The applicant shall provide accurately and truly the description and statement of the sample, shall guarantee to match the sample and real situation which they provided and declared. Otherwise the application shall bear any relevant consequences and responsibility.
3. 如委托方提供的样品及相关资料存在虚假、伪造等情形, 所造成的全部后果和责任由委托方承担。  
In case the sample and documents provided involved in the situation of fake and forgery, any consequences and responsibility caused by this shall be undertaken by applicant.
4. 本证明/报告私自转让、盗用、冒用、涂改、未经本单位批准的复制(全文复制除外)或以其它任何形式的篡改均属无效, 本单位将对上述行为追究其相应的法律责任。  
The certificate/report is invalid in case of illegal transfer, embezzlement, imposture, modification or any altering, reproducing except in full, without approval of PONY. PONY shall investigate and affix the applicant's legal liability accordingly.
5. 本证明/报告不考虑国家及经营人差异。  
The certificate/report takes no account of the differences of countries and applicants.
6. 本单位有权在完成证明/报告后处理委托方所送样品。  
PONY has the right to dispose the provided sample after approval of the certificate/report.

### ▲ 防伪说明:

- (1) 报告编号是唯一的;
- (2) 报告采用特制防伪纸张印制, 纸张表面带有“PONY”防伪纹路, 该防伪纹路不支持复印, 即复制件不会带有“PONY”防伪纹路;
- (3) 报告采用的防伪纸张内部亦加带有高科技“PONY”防伪水印, 只有在验钞机等紫外线照射下方可显出无色荧光防伪字样。



全国服务热线  
400-819-5688

WWW.PONYTEST.COM

扫描二维码  
关注谱尼测试微信



公众号 PONY4008195688

北京实验室: (010) 83055000	武汉实验室: (027) 83997127	哈尔滨实验室: (0451)58627755
上海实验室: (021) 64851999	长春实验室: (0431)85150908	石家庄实验室: (0311)85376660
青岛实验室: (0532)88706866	大连实验室: (0411)87336618	乌鲁木齐实验室: (0991) 6684186
深圳实验室: (0755)26050909	郑州实验室: (0371)69350670	呼和浩特实验室: (0471) 3450025
天津实验室: (022) 23607888	西安实验室: (029) 89608785	杭州实验室: (0571)85806807
苏州实验室: (0512)62997900	太原实验室: (0351) 7555762	宁波实验室: (0574)87977185
		温州实验室: (0577)88271060
		合肥实验室: (0551)63843474
		广州实验室: (020) 89224310
		厦门实验室: (0592)5568048
		成都实验室: (028) 87702708



Pony Testing International Group

Product name: Cyanuric acid  
Revised time: /Report ID: GOIXK49V16085516  
Page 1 of 8

## Safety Data Sheet

According to: ST/SG/AC.10/30/Rev.7 (GHS)

Cyanuric acid

### Section 1 - Identification of the substance/preparation and of the company/undertaking

#### Product Identifier

**Product name:** Cyanuric acid**Relevant identified uses of the substance or mixture and uses advised against****Identified uses:** Swimming pool chlorine stabilizer, sterilization, decontamination; Also can be directly used for nylon, psycne, flame retardants and cosmetics additive, raw materials for laminated plastics and high temperature glass etc.**Details of the supplier of the safety data sheet****Supplier:** Chemball (Hangzhou) Chemicals Co., Ltd.**Address:** No.970, Gao jiao Road, Hangzhou City, Zhe jiang Province 311122, PR China**TEL:** +86-15858216593**E-mail:** Elaine@chemball.com**Url:** www.chemball.com

### Section 2 - Hazards Identification

**Classification of the substance or mixture****Classification according to GHS**

Eye irritation (Category 2)

Skin irritation (Category 2)

Specific target organ toxicity - single exposure (Category 3)

**GHS label elements:****Pictogram****Signal word** Warning**Hazard statement(s)**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

**Precautionary statement(s)**

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.



Pony Testing International Group

 Product name: Cyanuric acid  
 Revised time: /

 Report ID: GOIXK49V16085516  
 Page 2 of 8

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Other hazards

**Physical and chemical hazards:** See Section 10

**Human health hazards:** See Section 11

**Environmental hazards:** See Section 12

### Section 3 - Composition/Information on Ingredient

#### Chemical composition

Component	CAS No.	Formula	Composition	EC No.	GHS CLASS
Cyanuric acid	108-80-5	C <sub>3</sub> H <sub>3</sub> N <sub>3</sub> O <sub>3</sub>	≥98.5%	203-618-0	Skin Irrit. 2 Eye Irrit. 2 STOT SE 3 H315 H319 H335

For the full text of H-Statements mentioned in this Section, see Section 16.

### Section 4-First Aid Measures

#### Description of first aid measures

**Eye Contact:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes. Occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.

**Skin Contact:** Immediately wash skin with soap and copious amounts of water. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation develops and persists, seek medical attention.

**Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Wash out mouth with water. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

**Inhalation:** Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if irritation develops or persists.

#### Personal protective equipment for first-aid responders:

No further relevant information available.

#### Most important symptoms/effects, acute and delayed:

No further relevant information available.

#### Indication of immediate medical attention and special treatment needed:

Treat symptomatically.

### Section 5 - Fire-Fighting Measures

#### Extinguishing media

#### Suitable Extinguishing Media:



Pony Testing International Group

Product name: Cyanuric acid  
 Revised time: /

Report ID: GOIXK49V16085516  
 Page 3 of 8

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Special hazards arising from the substance or mixture:

Combustible solid which burns but propagates flame with difficulty. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion. Sensitivity to static discharge is not expected under normal conditions, however, dusts must be controlled to avoid potential ignition. Keep product and empty container away from heat and sources of ignition.

#### Advice for firefighters:

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

## Section 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

If packages rupture. Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Spilled or released at long industrial condition: Remove ignition sources, Keep away from heat and flame, evacuate area. Avoid dust formation. Avoid breathing dust. Shut off source of the leak only if it is easy to do so. Do not get water inside containers.

### Environmental precautions

Keep spilled material out of sewers, ditches and bodies of water.

### Methods and materials for containment and cleaning up

Sweep up and place in suitable containers for recycle or disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

### Reference to other sections

See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection equipment.  
 See Section 13 for disposal information.

## Section 7 - Handling and Storage

### Precautions for safe handling

Dust generated in handling of this product can be explosive if sufficient quantities are mixed in air. In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid breathing dust. Avoid physical damage to the container. Ground and bond containers when transferring material. Take necessary action to avoid static electricity discharge. Do not eat, drink or smoke while handling the product. Keep away from heat. Keep away from sources of ignition. Do not allow water to get into the container.

### Conditions for safe storage, including any incompatibilities

Keep away from heat and flame. Store in a cool, dry, well-ventilated away from incompatible substances. Store in a tightly closed container. Keep away from moisture and water. Keep out of the reach of children.



Pony Testing International Group

 Product name: Cyanuric acid  
 Revised time: /

 Report ID: GOIXK49V16085516  
 Page 4 of 8

**Specific end uses**

No data available

**Section 8 - Exposure Controls/Personal Protection**
**Control parameters**
**Exposure limits:**

CAS# 108-80-5:

 Russia- STEL: 0.5 mg/m<sup>3</sup>, Skin

**Engineering Controls**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**Personal Protective Equipment**
**Eyes Protection:** Wear chemical splash goggles.

**Skin Protection:** Wear appropriate protective gloves.

**Body Protection:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Respirators Protection:** 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.

**Other Protection:** Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. To maintain good health habits.

**Section 9 - Physical and Chemical Properties**
**Physical State**

Powder or granular

**Colour**

White

**Odour**

Slightly bitter taste

**pH**

≥3.8 (10% Aqueous solution)

**Melting point/freezing point**

&gt;360°C

**Boiling point or initial boiling point and boiling range**

No data available

**Flash point**

Not applicable

**Flammability (solid, gas)**

No data available

**Lower and upper explosion limit/ flammability limit**

No data available

**Vapour pressure**

No data available

**Relative vapour density**

No data available

**Density/Relative density**

1.768

**Solubility**

Partly miscible

**Partition coefficient: n-octanol/water**

No data available

**Auto-ignition temperature**

No data available

**Decomposition temperature**

320°C



Pony Testing International Group

 Product name: Cyanuric acid  
 Revised time: /

 Report ID: GOIXK49V16085516  
 Page 5 of 8

**Kinematic viscosity**

No data available

**Particle characteristics**

No data available

### Section 10 - Stability and Reactivity

**Reactivity** No data available

**Chemical stability** Stable under normal conditions.

**Possibility of hazardous reactions**

Hazardous Polymerization Will not occur.

Hazardous Reactions None under normal processing.

**Conditions to avoid** Incompatible materials. Excess heat, Exposure to moist air or water

**Incompatible materials** Strong oxidizing agents.

**Hazardous decomposition products** Under fire conditions toxic fumes may be released. Carbon oxides, Nitrogen oxides

### Section 11 - Toxicological Information

**Information on toxicological effects**
**Acute toxicity:**

CAS# 108-80-5:

Oral, mouse: LD50 = 3400 mg/kg;

Oral, rat: LD50 = 7700 mg/kg;

Skin, rabbit: LD50 &gt; 5000 mg/kg;

**Skin corrosion/irritation** No data available

**Serious eye damage/eye irritation**

CAS# 108-80-5: Eyes - rabbit - Mild eye irritation(500 mg/24H);

**Respiratory or skin sensitization** No data available

**Germ cell mutagenicity** No data available

**Carcinogenicity**

Cyanuric acid- 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**
**Eye:** The material may cause eye irritation. Prolonged eye contact may cause inflammation characterised by a temporary redness of the conjunctiva.

**Skin:** Skin contact with the material may be harmful; systemic effects may result following absorption. This material can cause inflammation of the skin on contact in some persons. The material may accentuate any pre-existing dermatitis condition. Open cuts, abraded or irritated skin should not be exposed to this material. Entry



Pony Testing International Group

 Product name: Cyanuric acid  
 Revised time: /

 Report ID: GOIXK49V16085516  
 Page 6 of 8

into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects.

**Ingestion:** Ingestion is an unlikely route of exposure; no hazard in normal industrial use. Accidental ingestion of the material may be harmful; Single and repeated dose studies in animals by oral and skin routes of cyanuric acid and some cyanurates doses several studies showed kidney damage. Triazine derivatives have been shown to cause structural damage to the liver in animal studies.

**Inhalation:** Inhalation of airborne dust may cause irritation to the mucous membrane and upper airways. Symptoms of exposure can include coughing, sneezing and breathing difficulties. The body's response to such irritation can cause further lung damage. Persons with impaired respiratory function, airway diseases and conditions such as emphysema or chronic bronchitis, may incur further disability if excessive.

### Signs and Symptoms of Exposure

Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure. When ingested in large amounts the substance may have effects on the kidneys, resulting in tissue lesions. Long-term exposure to respiratory irritants may result in disease of the airways involving difficult breathing and related systemic problems. Strong evidence exists that this substance may cause irreversible mutations (though not lethal) even following a single exposure. Laboratory (in vitro) and animal studies show, exposure to the material may result in a possible risk of irreversible effects, with the possibility of producing mutation. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### Additional Information

RTECS#: CAS# 108-80-5: XZ1800000

## Section 12 - Ecological Information

### Toxicity

 CAS# 108-80-5: Fish: Pimephales promelas (fathead minnow): LC50 > 2100 mg/l/96 h;  
 Fish: Lepomis macrochirus: LC50 = 1400 mg/l/96 h;

<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Results of PBT and vPvB assessment</b>	No data available
<b>Other adverse effects</b>	Do not empty into drains.

## Section 13 - Disposal Considerations

### Waste treatment methods

**Waste from Residues / Unused Products:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**Contaminated packaging:** Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation.





Pony Testing International Group

 Product name: Cyanuric acid  
 Revised time: /

 Report ID: GOIXK49V16085516  
 Page 7 of 8

## Section 14 - Transport Information

	IATA	IMDG	RID/ADR
Proper shipping name	Not regulated	Not regulated	Not regulated
Hazard class	/	/	/
Un number	/	/	/
Packing group	/	/	/

## Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture  
 Regulatory information: Reference to the local, national, US, EU, CA and international regulations.

## Canada

CAS# 108-80-5 is listed on Canada's DSL List.

## US Federal

## Toxic Substance Control Act (TSCA)

CAS# 108-80-5 is listed on the TSCA Inventory.

## China

## Inventory of Existing Chemical Substances Produced or Imported in China (IECSC)

CAS# 108-80-5 is listed on the IECSC Inventory.

## Section 16 - Additional Information

SDS Creation Date: Feb 21, 2020

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Text of H-code(s) mentioned in Section 3

Eye Irrit. 2: Eye irritation(Category 2)

Skin Irrit. 2: Skin irritation (Category 2)

STOT SE 3: Specific target organ toxicity - single exposure(Category 3)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.



扫二维码  
关注谱尼测试



Pony Testing International Group

Product name: Cyanuric acid  
Revised time: /

Report ID: GOIXK49V16085516  
Page 8 of 8

Other Information:

ACGIH:(American Conference of Governmental Industrial Hygienists); CAS:(Chemical Abstracts Service);  
DSL: (the Domestic Substances List of Canada) ; EC: (European Commission) ; IARC: (International Agency  
for Research on Cancer) ; IATA: (International Air Transport Association) ; IMDG: (International Maritime  
Dangerous Goods) ; ADR: (European Agreement Concerning the International Carriage of Dangerous Goods by  
Road); RID: (Regulations Concerning the International Carriage of Dangerous Goods by Rail); LD50: (Lethal dose,  
50 percent kill) ; NDSL: (the Non-domestic Substances List of Canada) ; NIOSH: (US National Institute for  
Occupational Safety and Health); NTP: (US National Toxicology Program); OSHA: (US Occupational Safety and  
Health) ; PEL: (Permissible Exposure Level); REL: (Recommended Exposure Limit) ; RTECS: (Registry of  
Toxic Effects of Chemical Substances) ; STEL: (Short Term Exposure Limit) ; TDG: (Recommendations on the  
TRANSPORT OF DANGEROUS GOODS Model Regulations); TSCA:(Toxic Substances Control Act of USA);  
IECSC: (Inventory of Existing Chemical Substances Produced or Imported in China) ; TWA: (Time Weighted  
Average) ; TLV: (Threshold Limit Value)

WWW.CHEMBALL.COM



**PONY** 谱尼测试  
Pony Testing International Group

Hotline 400-819-5688 www.ponytest.com

Pony Testing International Group Co., Ltd.  
Address: 4-5F, Building 1, No.66 Jindai Road, Haidian District, Beijing, China  
Testing address: Building 1, No.66 Jindai Road, Haidian District, Beijing, China  
PONY-BG186-2-012-1-2017A

北京实验室: (010) 83055000	武汉实验室: (027) 83997127	哈尔滨实验室: (0451)58627755	温州实验室: (0577)88271060
上海实验室: (021) 64851999	长春实验室: (0431)85150908	石家庄实验室: (0311)85376660	合肥实验室: (0551)63843474
青岛实验室: (0532)88706866	大连实验室: (0411)87336618	乌鲁木齐实验室: (0991) 6684186	广州实验室: (020) 89224310
深圳实验室: (0755)26050909	郑州实验室: (0371)69350670	呼和浩特实验室: (0471) 3450025	厦门实验室: (0592)5568048
天津实验室: (022) 23607888	西安实验室: (029) 89608785	杭州实验室: (0571)85806807	成都实验室: (028) 87702708
苏州实验室: (0512)62997900	太原实验室: (0351) 7555762	宁波实验室: (0574)87977185	