氨溶液
Ammonia solution ≥25%

危　险 Danger



造成严重皮肤灼伤和眼损伤；可引起呼吸道刺激；对水生生物毒性极大

Hazard description:Causes severe skin burns andeye damage; May cause respiratory irritation; Very toxic to aquatic life

【预防措施】【preventive measure】

- P260 不要吸入粉尘或气雾。Do not inhale dust or mist.
- P264+P265 作业后彻底清洗手部，勿触碰眼睛。Thoroughly clean hands after handling, do not touch eyes.
- P271 只能在室外或通风良好年使用。Can only be used outdoors or with good ventilation.
- P273 避免释放到环境中。Avoid releasing into the environment.
- P280 戴防护手套/穿防护服/戴防护眼罩/防护面具。Wear protective gloves/protective clothing/protective goggles/protective masks

广州海关技术中心
危化品资料
审核章
审核有效期至 2027-02-06

【事故响应】【Incident Response】

- P301+P330+P331 如误吞咽：漱口。不得诱导呕吐。If accidentally swallowed: rinse your mouth. Do not induce vomiting
- P302+P361+P354+P316 如皮肤沾染：立即脱掉所有沾染的衣服，立即用水冲洗几分钟，立即紧急就医。If skin is contaminated: Immediately remove all contaminated clothing, rinse with water for a few minutes, and seek emergency medical attention immediately.
- P304+P340 如误吸入：将人转移到空气新鲜处，保持呼吸舒适体位。If accidentally inhaled: Move the person to a place with fresh air and maintain a comfortable breathing position.
- P305 + P354 + P338 + P317 如进入眼睛：立即用水冲洗几分钟，如戴隐形眼镜并可方便地取出，取出隐形眼镜，继续冲洗，请就医。If it enters the eyes: immediately rinse with water for a few minutes. If wearing contact lenses that can be easily removed, remove the contact lenses and continue rinsing. Please seek medical attention.
- P319 如感不适，请就医。If you feel uncomfortable, please seek medical attention.
- P321 专门治疗（见本标签上的附加急救说明）。Specialized treatment (see attached first aid instructions on this label).
- P363 沾染的衣服清洗后方可重新使用。Wash contaminated clothes before reuse.
- P391 收集溢出物。Collect spillage.

【安全储存】【safe storage】

- P403+P233 存放于通风良好处，保持容器密闭。Store in a well ventilated area and keep the container sealed
- P405 存放处须加锁。The storage area needs to be locked.

【废弃处置】【Waste disposal】

- P501 参阅国家/地方相关法规处置内装物/容器。Refer to relevant national/local regulations for disposal of contents/containers.

请参阅化学品安全技术说明书 Please refer to the Chemical Safety Technical Data Sheet

供应商：中汇(广州)国际供应链有限公司　　电话 Tel：13826123001
Manufacturer:Zhonghui (Guangzhou) International Supply Chain Co., Ltd.
地　址：广州市天河区金穗路8号22层F30　　邮政编码 Postal Code: 510623
Address: Unit F30, 22nd Floor, No. 8 Jinsui Road, Tianhe District, Guangzhou

国家化学事故应急咨询电话 National Chemical Accident Emergency Consultation Hotline: 0532-83889090

中汇（广州）国际供应链有限公司

化学品安全技术说明书

Zh-hui(Guangzhou)International Supply Chain Co.,Ltd.

Chemial Safety Technical Data Sheet

广州海关技术中心
危化品资料
审核章

审核有效期至 2027-02-06

化学品名称 (Chemical Name)：氨溶液，氨水　　按 GB/T16483、GB/T17519 编制

Chemical Name: Ammonia Solution, Ammonia Water　Compiled according to GB/T16483 and GB/T17519

修订日期 (Revision Date)：2024 年 3 月 1 日　　**SDS 编号 (SDS Number)**：HXS001

Revision Date: March 1, 2024　　**SDS Number**: HXS001

最初编制日期 (Original Preparation Date)：2016 年 3 月 1 日　　**版本 (Version)**：1

Original Preparation Date: March 1, 2016　　**Version**: 1

目录 (Table of Contents)

1. 第 1 部分：化学品及企业标识

Section 1: Chemical Product and Company Identification

2. 第 2 部分：危险性概述

Section 2: Hazards Identification

3. 第 3 部分：成分/组成信息

Section 3: Composition/Information on Ingredients

4. 第 4 部分：急救措施

Section 4: First Aid Measures

5. 第 5 部分：消防措施

Section 5: Firefighting Measures

6. 第 6 部分：泄漏应急处理

Section 6: Accidental Release Measures

7. 第 7 部分：操作处置与储存

Section 7: Handling and Storage

8. 第 8 部分：接触控制和个体防护

Section 8: Exposure Controls/Personal Protection

9. 第 9 部分：理化特性

Section 9: Physical and Chemical Properties

10. 第 10 部分：稳定性和反应活性

Section 10: Stability and Reactivity

11. 第 11 部分：毒理学信息

Section 11: Toxicological Information

12. 第 12 部分：生态学信息

Section 12: Ecological Information

13. 第 13 部分：废弃处置

Section 13: Disposal Considerations

14. 第 14 部分：运输信息

Section 14: Transport Information

15. 第 15 部分：法规信息

Section 15: Regulatory Information

16. 第 16 部分：其他信息

Section 16: Other Information

第 1 部分：化学品及企业标识

Section 1: Chemical Product and Company Identification

化学品中文名：氨溶液；氨水

化学品英文名：Ammonium hydroxide; Ammonia water

企业名称：中汇（广州）国际供应链有限公司

Company Name: Zh-hui(Guangzhou)International Supply Chain Co.,Ltd.

地址：广东省广州市天河区金穗路8号22层F30

Address: F30, 22/F, No.8 Jinsui Road, Tianhe District, Guangzhou City, Guangdong Province

邮编：510623

Postcode: 510623

企业联系电话：13826123001

Company Tel: 13826123001

电子邮件地址：13826123001@126.com

Email: 13826123001@126.com

国家化学事故应急咨询电话：0532-83889090

National Chemical Accident Emergency Consultation Tel: 0532-83889090

主要用途：工业上用于制造各种铵盐、胺化剂及热固性酚醛树脂的催化剂。稀释后大量用作化肥。印染工业中用作醋酸纤维煮练剂、酞酞菁染料缓冲剂。化妆品工业中用作皂基质，染发剂中用作 pH 值调节剂和头发膨化剂等。胶粘剂制造成中用作催化剂、中和剂等。

Main Uses: Industrial uses include manufacturing ammonium salts, amination agents, and catalysts for thermosetting phenolic resins. Diluted solutions are widely used as fertilizers. In printing and dyeing, it serves as a scouring agent for acetate fibers and

a buffer for phthalocyanine dyes. In cosmetics, it is used as a soap base, pH adjuster in hair dyes, and hair swelling agent. Also used as a catalyst and neutralizer in adhesives production.

限制用途：无资料

Restrictions: No data available.

第 2 部分：危险性概述

Section 2: Hazards Identification

紧急情况概述：易挥发出氨气，与空气形成爆炸性混合气体。有强烈刺激性，吸入后对鼻、喉和肺有刺激性，重者发生喉头水肿、肺水肿及心、肝、肾损害。可灼伤皮肤、眼睛，食入灼伤消化道等。

Emergency Overview: Easily volatilizes ammonia gas, forming explosive mixtures with air. Strong irritant; inhalation irritates the nose, throat, and lungs, with severe cases leading to laryngeal edema, pulmonary edema, and damage to the heart, liver, and kidneys. Can cause skin and eye burns; ingestion burns the digestive tract.

GHS 分类：皮肤腐蚀/刺激（类别 1B）、严重眼损伤/眼刺激（类别 1）、特异性靶器官毒性--一次接触（类别 3，呼吸道刺激）、危害水生环境-急性危害（类别 1）

GHS Classification: Skin corrosion/irritation (Category 1B), Serious eye damage/eye irritation (Category 1), Specific target organ toxicity - single exposure (Category 3, Respiratory irritation), Hazardous to aquatic environment - Acute hazard (Category 1)

H314：造成严重皮肤灼伤和眼损伤

H314: Causes severe skin burns and eye damage

H335：可引起呼吸道刺激

H335: May cause respiratory irritation

H400：对水生生物毒性极大

H400: Very toxic to aquatic life

GHS 标签信号词：危险

GHS label signal word: Danger

GHS 标签象形图：



GHS Label Pictograms:



预防措施:

- P260：不要吸入粉尘或气雾。
- P264+P265：作业后彻底清洗手部，勿触碰眼睛。
- P271：只能在室外或通风良好处使用。
- P273：避免释放到环境中。
- P280：戴防护手套/穿防护服/戴防护眼罩/防护面具。

Precautionary Measures:

- P260: Do not breathe dust or mist.
- P264+P265: Wash hands thoroughly after handling. Do not touch eyes.
- P271: Use only outdoors or in a well-ventilated area.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.

事故响应:

- P301+P330+P331：如误吞咽：漱口，不得诱导呕吐。
- P302+P361+P354+P316：如皮肤沾染：立即脱去所有沾染的衣服，立即用水冲洗几分钟。立即紧急就医。
- P304+P340：如误吸入：立即将患者转移至空气新鲜处，保持呼吸舒适体位。
- P305+P354+P338+P317：如进入眼睛：立即用水冲洗几分钟。如戴隐形眼镜并可方便取出，取出隐形眼镜，断续冲洗，请就医。
- P319：如感不适，请就医。
- P321：专门治疗（见本标签上的附加急救说明）。
- P363：沾染的衣服清洗后方可重新使用。
- P391：收集溢出物。

Response in Accidents:

- P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P302+P361+P354+P316: IF ON SKIN: Remove contaminated clothing immediately. Rinse skin with water for several minutes. Seek immediate medical attention.
- P304+P340: IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
- P305+P354+P338+P317: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention.
- P319: If feeling unwell, seek medical advice.
- P321: Specific treatment (see supplemental first aid instructions on this label).
- P363: Wash contaminated clothing before reuse.
- P391: Collect spillage.

安全储存:

- P403+P233：存放于通风良好处。保持容器密闭。
- P405：存放处须加锁。

Safe Storage:

- P403+P233: Store in a well-ventilated place. Keep container tightly closed.
- P405: Store locked up.

废弃处置:

- P501：参阅国家/地方相关法规处置内装物/容器。

Disposal:

- P501: Dispose of contents/container in accordance with national/local regulations.

物理和化学危险：其蒸气与空气混合，能形成爆炸性混合物。遇明火、高热能引起燃烧爆炸。

Physical and Chemical Hazards: Vapors form explosive mixtures with air. Contact with open flames or high heat may cause fire or explosion.

健康危害：吸入后对鼻、喉和肺有刺激性，引起咳嗽、气短和哮喘等；重者发生喉头水肿、肺水肿及心、肝、肾损害。溅入眼内可造成灼伤。皮肤接触可致灼伤。口服灼伤消化道。

Health Hazards: Inhalation irritates the nose, throat, and lungs, causing coughing, shortness of breath, and asthma; severe cases may lead to laryngeal edema, pulmonary edema, and damage to the heart, liver, and kidneys. Splashes cause eye burns. Skin contact causes burns. Ingestion burns the digestive tract.

慢性影响：反复低浓度接触其蒸汽，可引起支气管炎；可致皮炎。

Chronic Effects: Repeated low-concentration exposure may cause bronchitis; may lead to dermatitis.

环境危害：对水生生物有极高毒性。

Environmental Hazards: Very toxic to aquatic life.

第 3 部分：成分/组成信息

Section 3: Composition/Information on Ingredients

组分 component	浓度或深度范围 Concentration or depth range	CAS 号 CAS number
氨溶液 Ammonia solution	≥25%	1336-21-6

第 4 部分：急救措施

Section 4: First Aid Measures

皮肤接触：立即脱去污染的衣着，用大量流动清水冲洗 20~30 分钟。如有不适感，就医。

Skin Contact: Immediately remove contaminated clothing. Rinse skin with plenty of water for 20 - 30 minutes. Seek medical attention if irritation occurs.

眼睛接触：立即提起眼睑，用大量流动清水或生理盐水彻底冲洗至少 10~15 分钟。如有不适感，就医。

Eye Contact: Lift eyelids and rinse thoroughly with flowing water or saline for at least 10 - 15 minutes. Seek medical attention if discomfort persists.

吸入：迅速脱离现场至空气新鲜处。保持呼吸道通畅。呼吸、心跳停止，立即进行心肺复苏术。就医。

Inhalation: Move to fresh air immediately. Keep airways clear. If breathing or heartbeat stops, perform CPR. Seek medical attention.

食入：用水漱口，禁止催吐。给饮牛奶或蛋清，就医。

Ingestion: Rinse mouth with water. Do NOT induce vomiting. Drink milk or egg white. Seek medical attention.

对保护施救者的忠告：进入事故现场应戴空气呼吸器和穿防化服。

Advice for Rescuers: Wear self-contained breathing apparatus and chemical protective clothing when entering the accident area.

第 5 部分：消防措施

Section 5: Firefighting Measures

灭火剂：用水、雾状水、砂土灭火。

Extinguishing Media: Water, water fog, sand.

特别危险性：蒸气与空气可形成爆炸性混合物，遇明火、高热可发生火灾爆炸。燃烧会产生氮氧化物等有毒气体。在火灾中，容器内压增大有开裂和爆炸的危险。

Special Hazards: Vapors form explosive mixtures with air. Contact with flames or high heat may cause fire or explosion. Combustion produces toxic gases (e.g., nitrogen oxides). Containers may rupture or explode under increased pressure during a fire.

灭火注意事项及防护措施：

- 消防人员必须穿全身耐酸碱正压式防化服、佩带空气呼吸器灭火，在上风向灭火。
- 尽可能将容器从火场移至空旷处。喷水保持火场容器冷却，直至灭火结束。
- 处于火场中的容器若已变色或从安全泄压装置中发出声音，必须马上撤离。
- 隔离事故现场，禁止无关人员进入。
- 收容和处理消防水，防止污染环境。

Firefighting Precautions:

- Firefighters must wear full-body acid/alkali-resistant positive-pressure protective suits and self-contained breathing apparatus. Fight fire from upwind.
- Move containers from fire area if possible. Cool containers with water until fire is out.
- Evacuate immediately if containers discolor or venting sounds occur.
- Isolate the area and prevent unauthorized entry.
- Contain and treat firefighting water to prevent environmental pollution.

第 6 部分：泄漏应急处理

Section 6: Accidental Release Measures

- **作业人员防护措施、防护装备和应急处置程序：**

  Protective measures, equipment, and emergency response procedures for workers:

  建议应急处理人员戴正压自给式呼吸器，穿防酸碱服，戴橡胶手套。

  It is recommended that emergency personnel wear positive pressure self-contained breathing apparatus, acid and alkali resistant clothing, and rubber gloves.

  禁止接触破裂的容器和泄漏物。

  Do not come into contact with broken containers and leaks.

  尽可能切断泄漏源。消除所有点火源。

  Cut off the leakage source as much as possible. Eliminate all ignition sources.

- 根据液体流动和蒸汽扩散的影响区域划定警戒区，无关人员从侧风、上风向撤离至安全区。

  According to the impact area of liquid flow and vapor diffusion, a warning zone is designated, and unrelated personnel are dispersed from the crosswind and upwind directions to the safe zone.

- **环境保护措施：**

收容泄漏物，避免污染环境。防止泄漏物进入水体、下水道、地下室或限制空间。

Environmental Protection Measures:

Contain the leak to avoid environmental pollution. Prevent entry into waterways, sewers, basements, or confined spaces.

- **泄漏化学品的收容、清除方法及所使用的处置材料：**

Storage, removal methods, and disposal materials used for leaked chemicals:

  - **小量泄漏**：用干燥的砂土或其他不燃材料吸收或覆盖，收集于容器中。

    Small Spill: Absorb with dry sand or non-combustible material. Collect in containers.

  - **大量泄漏**：构筑围堤或挖坑收容。用耐腐蚀转移至槽车专用收集器内。

    Large Spill: Construct barriers or pits for containment. Transfer to corrosion-resistant containers.

第 7 部分：操作处置与储存

Section 7: Handling and Storage

- **操作注意事项：**

严加密闭，提供充分的局部排风和全面通风。操作人员必须经过专门培训，严格遵守操作规程。

Handling Precautions:

Ensure tight enclosure with adequate local and general ventilation. Operators must be specially trained and strictly follow procedures.

操作人员应佩戴导管式防毒面具，戴化学安全防护眼镜，穿防酸碱工作服，戴橡胶手套。避免眼睛和皮肤的接触，避免吸入蒸气。

Operators should wear ducted gas masks, chemical safety goggles, acid and alkali resistant work clothes, and rubber gloves. Avoid contact with eyes and skin, and avoid inhaling vapors.

- 远离火种、热源，工作场所严禁吸烟。

  Keep away from sources of fire and heat, and smoking is strictly prohibited in the workplace.

- 防止蒸气泄漏到工作场所空气中。

Prevent steam leakage into the workplace air.

- 避免与酸类、金属粉末接触。

  Avoid contact with acids and metal powders.

- 搬运时要轻装轻卸，防止包装及容器损坏。

  Handle with care during transportation to prevent damage to packaging and containers.

- 配备泄漏应急处理设备。

  Equip with emergency response equipment for leaks.

- 倒空的容器可能残留有害物。

  Empty containers may contain residual harmful substances.

- **储存注意事项：**

  储存于阴凉、通风的库房。库温不超过32℃，相对湿度不超过80%。保持容器密封。

  Storage Precautions:

  Store in a cool, well-ventilated area. Temperature ≤32° C, humidity ≤80%. Keep containers tightly sealed.

- **储存储存要求：**

  应与酸类、金属粉末等分开存放，切忌混储。储区应备有泄漏应急处理设备。

  Storage Requirements:

  Store separately from acids and metal powders. Do not mix storage. The storage area must have leak emergency equipment.

第8部分：接触控制和个体防护

Section 8: Exposure Controls/Personal Protection

- **职业接触限值：**

  Occupational Exposure Limits

组分名称 Component Name	标准来源 standard source	类型 type	标准值 standard value	备注 remark

氨 ammonia	GBZ2.1-2007	PC-TWA	20	
		PC-STEL	30	

监测方法：纳氏试剂分光光度法

Monitoring method: Nessler's reagent spectrophotometric method

- **工程控制：**

严加密闭，提供充分的局部排风和全面通风。提供安全淋浴和洗眼设备。

Engineering Controls:

Tight enclosure with local and general ventilation. Provide safety showers and eye-wash stations.

呼吸系统防护：可能接触其蒸气时，应该佩戴过滤式防毒面具（全面罩）。

Respiratory Protection: Wear a filtering facepiece respirator (full facepiece) when exposed to vapors.

眼睛防护：呼吸系统防护中已作防护。

Eye Protection: Already covered by respiratory protection.

身体防护：穿防酸碱工作服。

Body Protection: Wear acid/alkali-resistant workwear.

手防护：戴橡胶手套。

Hand Protection: Wear rubber gloves.

其它防护：工作现场禁止吸烟、进食和饮水。工作完毕，淋浴更衣。保持良好的卫生习惯。

Other protections: Smoking, eating, and drinking are prohibited at the work site. After work, take a shower and change clothes. Maintain good hygiene habits.

第 9 部分：理化特性

Section 9: Physical and Chemical Properties

- **外观与性状：**无色透明液体，有强烈的刺激性臭味。

Appearance: Colorless transparent liquid with a strong irritating odor.

- **pH 值：**11.7（1%溶液）

pH: 11.7 (1% solution)

- **熔点**：-58℃（25%溶液）

  Melting Point: -58° C (25% solution)

- **沸点**：38℃（25%溶液）

  Boiling Point: 38° C (25% solution)

- **相对密度（水=1）**：0.91（25%溶液）

  Density (water=1): 0.91 (25% solution)

相对蒸汽密度(空气=1):0.6～1.2 Relative vapor density (air=1): 0.6~1.2

饱和蒸汽压(kPa)：6.3（25%溶液，20℃） Saturated vapor pressure (kPa): 6.3 (25% solution, 20 ℃)

监界压力（MPa）：无资料 Boundary pressure (MPa): No data available

闪点（℃）：无意义 **引燃温度（℃）**：无意义

Flash point (℃): meaningless Ignition temperature (℃): meaningless

爆炸下限（%）：无意义 **爆炸上限（%）**：无意义

Explosion lower limit (%): meaningless Explosion upper limit (%): meaningless

- **溶解性**：溶于水、乙醇。

  Solubility: Soluble in water and ethanol.

第 10 部分：稳定性和反应活性

Section 10: Stability and Reactivity

- **稳定性**：稳定。

  Stability: Stable.

- **禁配物**：酸类、铝、铜。

  Incompatible Materials: Acids, aluminum, copper.

- **避免接触的条件**：受热。

  Conditions to Avoid: Heat.

- **聚合危害**：不聚合。

Polymerization Hazard: Will not polymerize.

- **分解产物**：氨。

  Decomposition Products: Ammonia.

第 11 部分：毒理学信息

Section 11: Toxicological Information

- **急性毒性**：LD_{50}: 350 mg/kg（大鼠经口）。

  Acute Toxicity: LD_{50}: 350 mg/kg (rat oral).

- **刺激性**：
  - **家兔经口**：250 μg，重度刺激。

    Rabbit Oral: 250 μg, severe irritation.

  - **家兔经眼**：44 μg，轻度刺激。

    Rabbit Eye: 44 μg, mild irritation.

第 12 部分：生态学信息

Section 12: Ecological Information

- **生态毒性**：
  - **TLm（96h）**：黑头呆鱼 8.2 mg/L，蓝鳃太阳鱼 3.4 mg/L。

    TLm (96h): Fathead minnow 8.2 mg/L, Bluegill sunfish 3.4 mg/L.

  - **LC_{50}（48h）**：蓝鳃太阳鱼 0.24 - 0.093 mg/L，水蚤 0.66 mg/L。

    LC_{50} (48h): Bluegill sunfish 0.24 - 0.093 mg/L, Daphnia 0.66 mg/L.

- **其他有害作用**：由于呈碱性，对鱼类和哺乳动物有危害。

  Other Adverse Effects: Alkaline nature poses hazards to fish and mammals.

第 13 部分：废弃处置

Section 13: Disposal Considerations

- **废弃物性质：危险废物。**

  Waste Nature: Hazardous waste.

- **废弃处置方法：中和、稀释后，排入废水系统。**

  Disposal Method: Neutralize and dilute before discharging into wastewater systems.

- **废弃注意事项：处置前应参阅国家和地方有关法规。**

  Disposal Precautions: Consult national and local regulations before disposal.

第 14 部分：运输信息

Section 14: Transport Information

主危险性：第8类危险物质—腐蚀性物质，系海洋污染物；
正式运输名称：氨溶液；

- **危险货物编号：82503**
  Hazardous Goods Number: 82503
- **UN 编号：2672**
  UN Number: 2672
- **包装类别：III 类包装**

  Packing Group: III

- **包装标志：腐蚀品**

  Packing Label: Corrosive

包装方法：小开口钢桶；玻璃瓶或塑料桶（罐）外普通木箱或半花格木箱；螺纹口玻璃瓶、铁盖压口玻璃瓶、塑料瓶或金属桶（罐）外普通木箱；螺纹口玻璃瓶、塑料瓶或镀锡薄钢板桶（罐）外满底板花格箱、纤维板箱或胶合板箱。

Packaging method: Small opening steel drum; Ordinary wooden box or semi checkered wooden box outside glass bottles or plastic drums (cans); Screw mouth glass bottles, iron cap pressed mouth glass bottles, plastic bottles, or ordinary wooden boxes outside metal drums (cans); Threaded glass bottles, plastic bottles, or tin plated steel drums (cans) are filled with bottom plate flower boxes, fiberboard boxes, or plywood boxes.

- **运输注意事项：**

Transportation precautions: During railway transportation, steel drum packaging can be transported by open top cars. When shipping, the packaging should be intact and the loading should be secure. During transportation, it is necessary to ensure that the

container does not leak, collapse, fall, or be damaged. It is strictly prohibited to mix and transport with acids, metal powders, edible chemicals, etc. Transport vehicles should be equipped with leak emergency response equipment during transportation. During transportation, it should be protected from direct sunlight, rain, and high temperatures. When transporting by road, follow the prescribed route and do not stay in residential or densely populated areas.

第 15 部分：法规信息

Section 15: Regulatory Information

- **下列法律、法规、规章和标准，对该化学品的管理作了相应的规定：**
- 中华人民共和国安全生产法 Work Safety Law of the People's Republic of China
- 中华人民共和国职业病防治法 Occupational Disease Prevention and Control Law of the People's Republic of China
- 中华人民共和国环境保护法 Environmental Protection Law of the People's Republic of China
- 危险化学物品安全管理条例 Regulations on the Safety Management of Hazardous Chemicals
- 常用危险化学品分类及标志 (GB 13690-2009)；Classification and labeling of commonly used hazardous chemicals (GB 13690-2009)；
- 危险化学品目录（2015）Catalogue of Hazardous Chemicals (2015)
- 化学品分类、警示标签和警示性说明安全规范 Safety regulations for chemical classification, warning labels, and warning statements
- 危险化学品分类信息表 Classification Information Table of Hazardous Chemicals
- GBZ1 工业企业设计卫生标准 GBZ1 Industrial Enterprise Design Hygiene Standards
- GBZ/T194 工作场所防止职业中毒卫生工程防护措施规范 GBZ/T194 Workplace Occupational Poisoning Prevention and Health Engineering Protection Measures Specification
- GB15603 常用化学危险品贮存通则 GB15603 General rules for storage of commonly used hazardous chemicals
- GB17914 易燃易爆商品储藏养护技术条件 GB17914 Technical Conditions for Storage and Maintenance of Flammable and Explosive Commodities
- GB17915 腐蚀性商品储藏养护技术条件 GB17915 Technical Conditions for Storage and Maintenance of Corrosive Commodities
- GB17915 毒害性商品储藏养护技术条件 GB17915 Technical Conditions for Storage and Maintenance of Toxic Commodities

第 16 部分：其他信息

Section 16: Other Information

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- 1. 周国泰，《危险化学品安全技术全书》，化学工业出版社，1997。
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2、张海峰主编，危险化学品安全技术全书（第一卷），化学工业出版社，2007

2. Edited by Zhang Haifeng, Complete Book of Safety Technology for Hazardous Chemicals (Volume 1), Chemical Industry Press, 2007

3、第 2 部分——危险性概述，增加了 GHS 危险分类和标签要素

3. Part 2- Hazard Overview, added GHS hazard classification and labeling elements

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