

Potassium hydroxide

SDS

SAFETY DATA SHEET

Chang Zhou Qi Di Chemical Co., Ltd

according to GHS(fourth revised edition)

Section 1 - Product and Company Identification

Product name	Potassium hydroxide
Applicant name	Chang Zhou Qi Di Chemical Co., Ltd.
Application address	128-1-16# HuaYuan Street,Hutang Town,Wujin District,Changzhou City,P.R.China.
Applicant post code	213161
Applicant fax	+86-519-86316850
Applicant emergency number	+86-519-83382137
Manufacturer name	Chang Zhou Qi Di Chemical Co., Ltd.
Manufacturer address	128-1-16# HuaYuan Street,Hutang Town,Wujin District,Changzhou City,P.R.China.
Manufacturer post code	213161
Manufacturer fax	+86-519-86316850
Manufacturer emergency number	+86-519-83382137
SDS number	DG1303965E
Effective date	Apr 16, 2013

Section 2 –Hazards Identification

Hazard class and label elements of the substance according to GHS(the fourth revised edition):

Hazard class	Acute toxicity, oral Skin corrosion/irritation	category4 category1A
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Pictogram



Signal Danger

Hazard statement(s)

H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage

Precautionary statements

Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.

Response

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 IF SWALLOWED: Call a POISON CENTER/ doctor/if you feel

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P363 Wash contaminated clothing before reuse.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Storage

Disposal

Section 3 – Composition/Information on Ingredients

Component	Concentration(%)	CAS No.	EC No.
Potassium hydroxide	100%	1310-58-3	215-181-3

Section 4 – First Aid Measures

After skin contact	Take off the contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
After eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
After ingestion	Do Not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
After inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Section 5 – Fire Fighting Measures

Hazardous products of combustion	no data available
Extinguishing method	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment	Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measure

Personal precautions	Use personal protective equipment. Avoid dust formation. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods for cleaning up	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7 – Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
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Provide appropriate exhaust ventilation at places where dust is formed.
Normal measures for preventive fire protection.

Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8 – Exposure Controls, Personal Protection

Engineering Controls	Safety shower and eye bath. Mechanical exhaust required.
Respiratory protection	Use a full-face supplied air respirator.
Eye protection	Wear chemical goggles.
Hand Protection	Wear impervious chemical resistant gloves
Body protection	Protective work clothing

Section 9 – Physical and Chemical Properties

Appearance: White solid	Odor: No data available
Odor threshold: No data available	pH value: ≥ 13
Melting point/freezing point(°C): 360.4	Initial boiling point and boiling range(°C): 1320
Flash point(°C)(closed cup): No data available	Evaporation Rate: No data available
Flammability: No data available	Upper explosive limit%(V/V): No data available
Lower explosive limit%(V/V): No data available	Vapor pressure(MPa): No data available
Vapor density(g/mL): No data available	Relative density(g/cm³): 2.04
Solubility: No data available	Octanol / water partition coefficient: No data available
Auto-ignition temperature(°C): No data available	Decomposition temperature(°C): No data available
Viscosity(m²/s): No data available	MARINE POLLUTION: No

Section 10 – Stability and Reactivity

Reactive	No data available
Chemical stability	Stable under the condition recommended.
Possibility of hazardous reactions	No data available
Avoid conditions	Aluminum, tin, zinc, alkali metal, halogen, azide, anhydride
Incompatible materials	Strong oxidizing agents, Strong acids, Organic materials
Hazardous decomposition products	No data available

Section 11 – Toxicological Information

Acute toxicity: LD ₅₀ (rat,Oral) 273 mg/kg
Skin corrosion/irritation: No data available
Serious eye damage/eye irritation: No data available
Respiratory or skin sensitization: No data available.
Germ cell mutagenicity: No data available
Carcinogenicity: No data available
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

Section 12 – Ecological Information

Ecotoxicity: LC₅₀(Danio rerio,96h) 80mg/L

Biodegradability: No data available

Abiotic degradation: No data available

Bioaccumulation: No data available

Other hazards: No data available.

Section 13 – Disposal Considerations

Property of waste: No data available

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

Burning method is recommended.

Precautions of disposal: No data available.

Section 14 - Transport Information

UN number: 1813

UN proper shipping name: POTASSIUM HYDROXIDE,SOLID

Transportation primary hazard class: 8

Transportation secondary hazard class: ——

Packing group: II

Section 15 - Regulatory Information

Component	CHINA	TSCA	ENCS	EINECS
Potassium hydroxide	√	√	√	√

Note 1:

CHINA - China Inventory of Existing Chemical Substances

TSCA - United States Toxic Substances Control Act Section 8(b)

Inventory ENCS - Japan Existing and New Chemical Substances

EINECS - European Inventory of Existing Commercial Chemical

Substances Note 2:

"√" Indicates that the substance included in the regulations

"-" That no data or included in the regulations

Section 16 - Additional Information

Prepared by: Changzhou Testing Center of Entry-Exit Industrial and Consumable Products

Completion Date: Apr 16, 2013

Modification statement: Original. Please update before the implementation of the GHS fifth revised edition.

Other information: The information contained herein is prepared according to UN GHS (the fourth revised edition) and is accurate to the best of our knowledge. 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 way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect,

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