

# Potassium hydroxide

## SAFETY DATA SHEET

# SDS

NEAR INTERNATIONAL TRADE CO.,LIMITED

according to GHS(fourth revised edition)

### Section 1 - Product and Company Identification

Product name	Potassium hydroxide
Applicant name	NEAR INTERNATIONAL TRADE CO.,LIMITED
Application address	FLAT 1506,15/F,LUCKY CENTER,NO.165-171 WAN CHAI ROAD,WAN CHAI,HONG KONG
Applicant post code	257091
Applicant fax	+86-546-7277736 +86-546-7277736
Manufacturer post code	
Manufacturer fax	+86-546-7277736
Manufacturer emergency number	+86-546-7277736
SDS number	DG1303965E
Effective date	May 6, 2017

### 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	90%	1310-58-3	215-181-3

### Section 4 – First Aid Measures

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

### Section 5 – Fire Fighting Measures

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

### Section 6 – Accidental Release Measure

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

### Section 7 – Handling and Storage

<b>Handling</b>	Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
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## Storage

Provide appropriate exhaust ventilation at places where dust is formed.  
Normal measures for preventive fire protection.  
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

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

## Section 9 – Physical and Chemical Properties

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

## Section 10 – Stability and Reactivity

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

## Section 11 – Toxicological Information

<b>Acute toxicity:</b> LD <sub>50</sub> (rat,Oral) 273 mg/kg
<b>Skin corrosion/irritation:</b> No data available
<b>Serious eye damage/eye irritation:</b> No data available
<b>Respiratory or skin sensitization:</b> No data available.
<b>Germ cell mutagenicity:</b> No data available
<b>Carcinogenicity:</b> No data available
<b>Reproductive toxicity:</b> No data available
<b>Specific target organ toxicity – single exposure:</b> No data available
<b>Specific target organ toxicity – repeated exposure:</b> No data available
<b>Aspiration hazard:</b> No data available

## Section 12 – Ecological Information

**Ecotoxicity:** LC<sub>50</sub>(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:** May 6, 2017

**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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incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.