

No.DG172217E



MATERIAL SAFETY DATA SHEET (MSDS)

Product: Caustic Soda

Effective date: May20.2022

Producer: _____

Auditor: _____

Approver: _____

**Changzhou Testing Center of Entry-Exit Industrial
and Consumable Products**

Caustic Soda

MSDS

MATERIAL SAFETY DATA SHEET
NEAR INTERNATIONAL TRADE CO.,LIMITED

according to GHS (fourth revised edition)

Section 1 - Product and Company Identification

Product name:	Caustic Soda
Manufacturer name:	NEAR INTERNATIONAL TRADE CO.,LIMITED
Manufacturer address:	FLAT 1506,15/F,LUCKY CENTER,NO.165-171 WAN CHAI
Post code:	ROAD,WAN CHAI,HONG KONG 25700
Fax:	+86-546-7277736
Emergency phone number:	+86-546-7277736
MSDS number:	DG172217E
Effective date:	May 20, 2017

Section 2 –Hazards Identification

Label elements of the substance according to GHS(the fourth revised edition):

Pictogram



Signal

Danger

Hazard statement(s)

H312 Harmful in contact with skin

H314 Causes severe skin burns and eye damage

H402 Harmful to aquatic life

Precautionary statements

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

P264 Wash thoroughly after handling.

P273 Avoid release to the environment.

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

P312 Call a POISON CENTER/doctor if you feel unwell.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

P405 Store locked up.

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

Section 3 – Composition/Information on Ingredients

Component	Concentration	CAS No.	EC No.
Sodium hydroxide	98%~99%	1310-73-2	215-185-5
Sodium carbonate	0.5%~1.0%	497-19-8	231-867-5
Sodium chloride	0.03%~0.08%	7647-14-5	231-598-3
Iron(III) oxide	0.005%~0.01%	1309-37-1	215-168-2

Section 4 – First Aid Measures

After skin contact:	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:	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:	Sodium oxides.
Extinguishing method:	Substance is nonflammable, use agent most appropriate to extinguish surrounding fire.
Special protective equipment :	Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measure

Personal precautions:	Use personal protective equipment. Ensure adequate ventilation. Avoid formation of dusts. Avoid breathing vapors, mist or gas. Evacuate personnel to safe areas.
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
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. Ensure adequate ventilation. Keep away from sources of ignition - No smoking. Avoid formation of dusts.
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
Body protection:	Protective work clothing

Hand Protection:	Wear impervious chemical resistant gloves
Other protection:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9 – Physical and Chemical Properties

Appearance: White solid	Odor: No data available
Melting point (°C) : 318.4	Relative density (g/cm³) : No data available
Boiling point (°C) : No data available	Relative density of steam distillation (g/mL) : No data available
Saturated vapor pressure(Kpa): No data available	Heat of combustion (kJ/mol) : No data available
Flash point (°C) : No data available	Critical pressure (Mpa) : No data available
Ignition temperature (°C) : No data available	Upper explosive limit% (V/V) : No data available
Partition coefficient octanol/water: No data available	Lower explosive limit% (V/V) : No data available

Section 10 – Stability and Reactivity

Stability:	No data available
Substances to avoid:	Strong oxidizing agents, strong bases.
Condition to avoid contact	Heat, flames and sparks.
Hazardous decomposition products:	No data available

Section 11 – Toxicological Information

Acute toxicity: LD50 (rabbit, dermal) 1350mg/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 (Gambusia affinis, 96h) 125mg/L.
Biodegradability:	No data available
Abiotic degradation:	No data available
Bioaccumulation:	No data available
Other hazards	Very toxic to aquatic life with long lasting effects.

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: 1823
UN proper shipping name: SODIUM HYDROXIDE, SOLID
Transport hazard class: Class 8
Packing group: II

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:
no data available

Section 16 - Additional Information

Prepared by: Changzhou Testing Center of Entry-Exit Industrial and Consumable Products
Completion Date: March 8, 2012
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, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.