



SAFETY DATA SHEET
0.2 M Sodium hydroxide

1. Chemical product & Company Identification.

Product details

Chemical Name : 0.2 M Sodium hydroxide

Name of Manufacturer

Ya Thai Chemical Co., Ltd. 78/9 Moo 5 Takam, Bangpakong, Chachoengsao 24130
THAILAND

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2. Hazard Identification.

Physical Hazards : Substances corrosive to metal - Category 1

Health hazards : Skin irritation - Category 2

: Eye irritation - Category 2

Label element

Symbol



Signal word

: **Warning**

Hazard

: H290 May be corrosive to metals.

statements

: H315 Causes skin irritation.

: H319 Causes serious eye irritation.

Precautionary Statements

Prevention

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

Response

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

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

Disposal

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

3. Composition/Information on Ingredients.

Chemical Name : 0.2 M Sodium hydroxide

CAS Number : 1310-73-2

EC Number : 215-185-5

Chemical Formula : NaOH

Molecular Weight : 40.00 g/mol

4. First Aid Measures.

Eye Contact : Rinse out with plenty of water. Consult a physician.

Skin Contact : Take off immediately all contaminated clothing.

	:	Rinse skin with water/shower.
Inhalation	:	If breathed in, move person into fresh air.
Swallowing	:	Immediately make victim drink water (two glasses at most). Call a physician.
General Information	:	Immediately remove any clothing soiled by the product.

5. Fire Fighting Measures.

Suitable extinguishing agents

Use fire extinguishing methods suitable to surrounding condition.

Protective equipment

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6. Accidental Release Measures.

Person-related safety precautions

Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to penetrate the ground/soil.

In case of seepage into the ground inform responsible authorities.

Measures for cleaning/collecting

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

For large amounts: Pump off product.

7. Handling and Storage.

Information for safe handling

Should wear proper protective equipment so as not to breathe mist, contact with skin, mucous membrane and clothing, and get in eyes.

Open and handle receptacle with care.

Storage

Requirements to be met by storerooms and receptacles

Prevent any seepage into the ground.

Information about storage in one common storage facility

Store away from foodstuffs.

Conditions for safe storage, including any incompatibilities

No aluminium, tin or zinc containers.

Tightly closed and storage temperature: no restrictions.

Further information about storage conditions

Keep container tightly sealed.

The stability which is noticed on the label is only duty by right storage of the product.

8. Personal Protection.

Exposure controls

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

Personal protective equipment (PPE)

Protection of hands

Protective gloves

Eye protection

Goggles or safety glasses

Respiratory protection : Required when vapours/ aerosols are generated.

Body protection : Protective work clothing.

9. Physical and Chemical Properties.

Appearance	:	Liquid
Color	:	Colorless
Odor	:	Odorless
pH	:	12.00 - 14.00
Specific gravity	:	1.00 - 1.10
Melting point / range	:	Undetermined
Boiling point / range	:	Not applicable
Flash point	:	Not flammable
Self-igniting	:	Product is not self-igniting
Danger of explosion	:	Product does not present an explosion hazard.
Solubility in/Miscibility with water	:	Fully soluble at 20 °C

10. Physical Hazard (Stability & Reactivity).

Stability and Reactivity

Stable under normal conditions.

Possibility of hazardous reactions

Generally known reaction partners of water.

Conditions to avoid

Extremely high or low temperatures.

Incompatible materials

Metal, light metals and strong acid.

11. Toxicological Information.

Primary irritant effect

Skin	:	Causes skin irritation.
Eyes	:	Causes serious eye irritation.
Sensitization	:	No sensitizing effects known.

12. Ecological Information.

COD and BOD value will increase when flushed into sewers or streams.

Slightly hazardous for water, do not allow product to reach ground water, water course

or sewage system.

13. Disposal Consideration.

Waste Disposal

Dispose after activated sludge process.

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport Information.

International regulation

Un Class	:	8
UN Number	:	1824
UN Proper shipping name	:	SODIUM HYDROXIDE SOLUTION
Packing group	:	III

15. Regulatory Information.

Follow all regulation in your country.

16. Other Information.

This information herein is given in good faith, but no warranty, express or implied, is made. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used in caution. Although certain hazards are described herein. We can not quarantine that These are the only hazards which exist.