



SAFETY DATA SHEET
0.1 M Sodium hydroxide

1. Chemical product & Company Identification.

Product details

Chemical Name : 0.1 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.

Health hazards : This substance is not classified as dangerous in GHS
Label element

Symbol : Not a hazardous substance or mixture

Signal word : Not applicable

Hazard : Not applicable

statements

Precautionary Statements

Prevention : Not applicable

Response : Not applicable

Storage : Not applicable

Disposal : Not applicable

3. Composition/Information on Ingredients.

Chemical Name : 0.1 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.

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 of water, Consult a physician.

General Information : No special measures required.

5. Fire Fighting Measures.

Suitable extinguishing agents

Use fire extinguishing methods suitable to surrounding conditions and the product is not flammable.

Protective equipment

Special protective equipment for firefighters.

Wear self-contained respiratory protective device and wear fully protective suit.

6. Accidental Release Measures.

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions

No special environmental precautions required.

Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

7. Handling and Storage.

Precautions for safe handling

No data available.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:

No aluminium, tin, or zinc containers.

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8. Personal Protection.

Exposure controls

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

General protective and hygienic measures

The usual precautionary measures are to be adhered to when handling chemicals.

Personal protective Equipment (PPE)

Material of gloves	:	No requirement if used correctly.
Eye protection	:	No requirement if used correctly.
Respiratory protection	:	Required when vapor/aerosols are generated.

9. Physical and Chemical Properties.

Appearance	:	Liquid
Color	:	Colorless
Odor	:	Odorless
pH	:	12.00 - 14.00
Specific gravity	:	1.00 - 1.10 at 25 °C
Melting point / range	:	No data available
Boiling point / range	:	No data available
Flash point	:	No flammable
Self-igniting	:	Product is not self-igniting
Danger of explosion	:	Product does not present an explosion hazard
Water solubility	:	Soluble (at 25 °C)

10. Physical Hazard (Stability & Reactivity).

Stability and Reactivity

The product is chemically stable under standard ambient conditions (room temperature).

Possibility of hazardous reactions

The generally known reaction partners of water.

Incompatible materials

Aluminium, zinc and tin.

11. Toxicological Information.

Primary irritant effect

Skin	:	Slight irritation.
Eyes	:	Slight irritation.
Sensitization	:	No sensitizing effects known.

12. Ecological Information.

Toxicity

No information available.

Bio-accumulative potential

No information available.

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	:	Not applicable
UN Number	:	Not applicable
UN Proper shipping name	:	Not applicable
Packing group	:	Not applicable

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.