



SAFETY DATA SHEET
6.0 N Hydrochloric acid

1. Chemical product & Company Identification.

Product details

Chemical Name : 6.0 N Hydrochloric acid

Name of Manufacturer

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

Tel: 66-3857-4400 Fax: 66-3857-3700 Email: yathai@yathai.co.th

2. Hazard Identification.

Physical Hazards : Corrosive to metals - 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.

Storage : P404 Store in a closed container.

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

3. Composition/Information on Ingredients.

Chemical Name : 6.0 N Hydrochloric acid

CAS Number : 7647-01-0

EC Number : 231-595-7

Chemical Formula : HCl

Molecular Weight : 36.46 g/mol

4. First Aid Measures.

Eye Contact	:	Rinse thoroughly with plenty of water for at least 15 minutes, 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.

Special hazards arising from the substance or mixture

Hydrogen chloride gas.

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 metal containers.

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 recommended during refilling.

Eye protection

Safety glasses recommended during refilling.

Respiratory protection : Not necessary at correctly use.

Body protection : Protective work clothing.

9. Physical and Chemical Properties.

Appearance	:	Clear, liquid
Color	:	Colorless
Odor	:	Strong odor
pH	:	Strong acid (<1)
Specific gravity	:	1.00 - 1.10
Melting point / range	:	No information available
Boiling point / range	:	No information available
Flash point	:	Not applicable
Self-igniting	:	Product is not self-igniting
Danger of explosion	:	Product does not present an explosion hazard
Solubility in/Miscibility with water	:	Soluble (at 25 °C)

10. Physical Hazard (Stability & Reactivity).**Stability and Reactivity**

Stable under normal conditions.

Possibility of hazardous reactions

Generates dangerous gases or fumes in contact with metals.

Reacts violently with bases (release of heat)

Violent reactions possible reaction partners of water.

Condition to avoid

Direct sunlight. Extremely high or low temperatures.

Incompatible materials

Metals, metal alloys (gives off hydrogen by reaction with metals).

Hazardous decomposition products

Hydrogen chloride. Thermal decomposition generated: Corrosive vapours.

11. Toxicological Information.

Primary irritant effect

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

12. Ecological Information.

Acquatic toxicity

LC50 (96h)	:	282 mg/l (Fishes: Gambusia affinis)
EC50 (72h)	:	< 56 mg/l (Daphnia magna)

Bio-accumulative potential

No information available.

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

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	:	1789
UN Proper shipping name	:	HYDROCHLORIC ACID
Packing group	:	II

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.