SAFETY DATA SHEET

0.1 M Silver nitrate solution

1. Chemical product & Company Identification.

Product details

Chemical Name : 0.1 M Silver nitrate solution

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.

Health hazards	:	Skin irritation - Category 2
	:	Eye irritation - Category 2A
Environment	:	Acute aquatic toxicity - Category 3
hazards	:	Chronic aquatic toxicity - Category 3
Label element		
Symbol		
Signal word	:	**Warning**
Hazard	:	H315 Causes skin irritation.
statements	:	H319 Causes serious eye irritation.
	:	H412 Harmful to aquatic life with long lasting effects.
Precautionary Statements		
Prevention	:	P264 Wash exposed skin thoroughly after handling.
	:	P273 Avoid release to the environment.
	:	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	:	0.1 M Silver nitrate solution
CAS Number	:	7761-88-8
EC Number	:	231-853-9
Chemical Formula	:	$AgNO_3$
Molecular Weight	:	169.87 g/mol

4. First Aid Measures.

Eye Contact	:	Rinse thoroughly with plenty of water for at least 15 minutes, consult a physician.
Skin Contact	:	Immediately flush the contaminated skin thoroughly with water for at least 15 minutes. Immediately remove contaminated clothing. Call a physician immediately.
Inhalation	:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Swallowing	:	Make victim drink water (two glasses at most), avoid vomiting (risk of perforation). Call a physician immediately.
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

Fire may cause evolution of nitrogen oxides.

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

No aluminium, tin, or zinc 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 glove.

Eye protection

Goggles or safety glasses.

Respiratory protection	:	Required when vapor/aerosols are generated.
Body protection	:	Protective work clothing.

9. Physical and Chemical Properties.

Appearance	:	Clear liquid
Color	:	Colorless
Odor	:	Odorless
pH	:	6.00 - 7.00
Specific gravity	:	1.00 - 1.10
Melting point / range	:	No data available
Boiling point / range	:	No data available
Vapor pressure	:	No data available
Flash point	:	No data available
Self-igniting	:	Product is not self-igniting
Danger of explosion	:	Product does not present an explosion hazard
Water solubility	:	Soluble in water at 20 °C soluble

10. Physical Hazard (Stability & Reactivity).

Chemical stability

Sensitivity to light.

Incompatible materials

Chlorides, strong acids, strong bases.

Conditions to avoid

Direct sunlight, extremely high or low temperatures.

Hazardous decomposition products

Nitrogen oxides. fume. Carbon monoxide. Carbon dioxide.

11. Toxicological Information.

Acute toxicity

Oral LD50	:	1173 mg/kg (rat)

Primary irritant effect

Skin	:	Causes skin irritation.

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

12. Ecological Information.

Acquatic toxicity

LC50	:	59.9 mg/l (Fishes)

Persistence and degradability

No information available.

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	:	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.