



UltraScience Western Substrate Series– Solution A

24 MAY 2023

Identification of the preparation / Substance and of the company

Product Name : UltraScience Pico Plus Western Substrate
UltraScience Pico Ultra Western Substrate
UltraScience Femto Western Substrate
UltraScience Femto Plus Western Substrate
UltraScience Atto Western Substrate

Catalog Number : CCH321-B100ML(N)/CCH345-B100ML(N)/CCH365-B100ML(N)/CCH375-B100ML(N)
/CCH385-B100ML(N)

Use of the preparation: For laboratory use.

Company identification: BIO-HELIX Co., LTD.

Site: <http://www.bio-helix.com>

E-mail: info@bio-helix.com

Composition / Information on ingredients

Ingredients:

water	>90% (v/v)	CAS#7732-18-5
Tris	1.1-3.8% (w/v)	CAS# 77-86-1
Hydrochloric acid	0.01-0.13 (v/v)	CAS# 7647-01-0

Other components :

Components not listed here are not dangerous or their concentrations do not exceed the limits specified in the EU directive 1999/45/EC.

Hazards identification

Form: Liquid

Principle Routes of Exposure/Potential Health effects

Eyes May cause eye irritation with susceptible persons.

Skin May cause skin irritation and/or dermatitis.

Inhalation No information available.

Ingestion Harmful if swallowed.

Specific effects

Carcinogenic effects No information available.

Mutagenic effects No information available.

Reproductive toxicity No information available.

Sensitization No information available

Target Organ Effects No information available



Material Safety Data Sheet



HMIS

Health	0
Reactivity	0
Flammability	0

First Aid Measures

Ingestion: Never give anything by mouth to an unconscious person. Consult a physician.

Inhalation: Move to fresh air. If symptoms persist, call a physician.

Skin contact: Wash off immediately with plenty of water. If symptoms persist, call a physician.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

If eye irritation persists, consult a specialist.

Notes to physician: Treat symptomatically.

Fire-fighting measures

Suitable extinguishing agents: Dry chemical.

Protective equipment: Wear self-contained breathing apparatus and protective suit.

Accidental release measures

Personal precautions: Use personal protective equipment.

Methods for cleaning up: Soak up with inert absorbent material.

Additional information: No dangerous substances are released.

Handling and storage

Handling: Wash thoroughly after handling. Wash hands before eating. Keep container tightly closed.

Use with adequate ventilation.

Storage: Keep container closed when not in use. Store at 4°C.

Exposure controls / personal protection

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

Additional information:

General protective and hygienic measures: Prevent product from entering drains. Engineering measures: Ensure adequate ventilation, especially in confined areas.

Personal protection: In case of insufficient ventilation wear suitable respiratory equipment

- Respiratory protection: Protective gloves.
- Hand protection: Safety glasses with side-shields.
- Eye protection: Lightweight protective clothing.
- Skin protection: Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls: In case of insufficient ventilation wear suitable respiratory equipment.





Physical and chemical properties

General Information

Appearance: Liquid.

Color: Colorless.

Odor: Odorless.

Boiling point: Not applicable.

Melting point: Not applicable.

Flash Point: Not applicable.

Autoignition temperature: Do not auto ignition.

Oxidizing properties: Not applicable.

Solubility in/miscibility with water: Moderate.

Stability and reactivity

Stability: Stable under normal conditions.

Materials to avoid: Metals.

Hazardous decomposition products: No information available.

Hazardous polymerization: Hazardous polymerization does not occur.

Toxicological information

Acute toxicity: No irritant effect.

Primary irritant effect: No irritant effect.

On the skin: No irritant effect.

On the eye: No irritant effect.

Sensitization: No sensitizing effects known.

Ecotoxicity: No information available.

Ecological information

Mobility: No information available.

Biodegradation: No information available.

Bioaccumulation: No information available.

Disposal considerations

Recommendation: Dispose according to current regional and national rules.

Transport information

Proper shipping name: Not classified as dangerous in the meaning of transport regulations.

Road/Railway Haulage ADR/RID: Not restricted.

Sea Freight IMO (IMDG): Not restricted.

Air Freight IATA (ICAO): Not restricted.



Other information

UN Number: Not restricted.

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