



SAFETY DATA SHEET

Section 1: Identification of the substance/mixture

1.1 Product identifier

Product Name: iProtein ApoB assay cartridge kit

REF No. : BMAPBP0110

KIT COMPONENTS

Testing Cartridge containing the testing cartridge in an aluminum foil package with desiccant

Dilution tube with dilution buffer (PBS with 0.01% NaN₃)

Product instruction for use

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended use: This product is intended for professional use only. For In Vitro Diagnostic Use.

1.3 Details of the supplier of the safety data sheet

TAI-SAW TECHNOLOGY CO., LTD.

No.3, Industrial 2nd Road Ping-Chen Industrial District Taoyuan City 324 Taiwan (R.O.C.)

Telephone: +88634690038

Telefax: +88634697532

E-mail: info@tst.bio

Website: <https://www.tst.bio/>

1.4 Emergency telephone number

TAI-SAW TECHNOLOGY CO., LTD.

Only available during office hours: Monday to Friday from 9 am to 5 pm.

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Product Description: Mixture

Classification according to EC 1272/2008 (CLP/GHS): Not classified as hazardous per EC 1272/2008 (CLP/GHS).

2.2 Label elements

According to EC 1272/2008 (CLP/GHS), US-OSHA and UN GHS

Not classified as hazardous per EC 1272/2008 (CLP/GHS), US-OSHA and GHS.

2.3 Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.



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This product contains concentrations of azide below the hazardous level which with repeated contact with lead and copper commonly found in plumbing drains may result in the buildup of shock sensitive compounds. Sodium azide forms explosive compounds with heavy metals.

Section 3: Composition / information on ingredients

Mixtures				
Hazardous Ingredients:		Hazard Classification of Pure Ingredients		
Chemical Name	% by wt.	EU 1272/2008 CLP/GHS	GHS	Note
Sodium Azide CAS # 26628-22-8 EINECS # 247-852-1 Index # 011-004-00-7	0.01%	Acute Tox. Oral 2, H300 Aquatic Acute 1, H400 Aquatic Longterm 1, H410	Acute Tox. Oral 2, H300 Aquatic Acute 1, H400 Aquatic Longterm 1, H410	1, 2

1 - Substance with Community workplace exposure limits

2 - Present at concentration below the cut-off limits.

Section 4: First aid measures

4.1 General information: Get medical attention if symptoms occur.

- Ingestion: Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.
- Inhalation: If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration by trained personnel and obtain medical attention immediately.
- Skin Contact: Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
- Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses.

4.2 Most important symptoms and effects, both acute and delayed:

No adverse symptoms or effects have been identified.

4.3 Indication of any immediate medical attention and special treatment needed:

No data available.

Section 5: Firefighting measures

5.1 General Fire Hazards:

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Use water spray to keep



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fire-exposed containers cool.

5.2 Extinguishing Media In case of fire:

Use carbon dioxide (CO₂), dry chemical, water spray or appropriate foam. For large fires use fire-extinguishing media appropriate for surrounding materials.

5.3 Special hazards arising from the substance or mixture Special Fire and Explosion Hazards:

No special hazards determined. Fire or excessive heat may produce hazardous decomposition products.

5.4 Hazardous Combustion Products:

No combustion products posing significant hazards are expected from this product (an aqueous solution).

5.5 Advice for fire fighters (Protective Equipment):

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces.

5.6 Additional information:

No data available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Contact local authorities in case of spillage to drain/aquatic environment. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

6.2 Environmental precautions:

Absorb spillage with suitable absorbent material. Prevent runoff from entering drains, sewers, or streams.

6.3 Methods and material for containment and cleaning up:

Do not allow the undiluted product to enter sewers/surface or ground water. As a precautionary measure, treat spilled material with a 1:10 bleach/water solution. Absorb liquid and place in container suitable for disposal. Avoid generation of aerosols during clean up. Dispose of contents/container in accordance with local regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Use personal protective equipment as required. Universal precautions should be followed when using this product. This product should be handled as though capable of transmitting infectious diseases. Universal precautions should be followed when using this product.

7.2 Conditions for safe storage, including any incompatibilities:



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To maintain product quality, store according to the instructions in the product labeling. Keep out of direct sunlight. Do not use if the foil package, desiccant, or testing cartridges show visible damage.

7.3 Specific end use(s):

Refer to the product instruction for use.

SECTION 8: Exposure controls/personal protection

8.1 Components with limit values that require monitoring at the workplace:

According to US-OSHA, the product does not contain any relevant quantities of material with critical values that have to be monitored at the workplace.

8.2 Exposure controls

No special engineering controls are required. Use with good general ventilation.

- Eye Protection: Safety glasses should be worn to prevent eye contact. Refer to European Standard EN166 or appropriate government standards.
- Skin Protection: Wear protective clothing and impervious gloves, as appropriate. Wash hands after contact.
- Respiratory Protection: Under normal conditions, the use of this product should not require respiratory protection. Use in well ventilated area.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

- Physical state: No data available
- Colour: No data available
- Odor: Odorless

pH: No data available.

Melting point/freezing point: No data available.

Initial boiling point and boiling range: No data available.

Flash Point: No data available.

Evaporation rate: No data available.

Flammability (Solid, Gas): No data available.

Flammability Limits: No data available

Vapor pressure: No data available.



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Vapor density: No data available.

Decomposition temperature: No data available

Solubility (ies): No data available.

Viscosity: No data available

Oxidizing Properties: No data available.

Auto-ignition temperature: No data available.

9.2 Information on basic physical and chemical properties

Information regarding physical hazard classes: No further relevant information available.

Other safety characteristics: No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity:

Stable under 2~35°C conditions for one year. No further relevant information available.

10.2 Chemical stability:

The product is stable in accordance with recommended storage conditions.

10.3 Possibility of hazardous reactions:

No decomposition products posing significant hazards would be expected from this product (an aqueous solution).

10.4 Conditions to avoid:

Avoid exposure to high temperatures or direct sunlight. Avoid contact with incompatible materials.

10.5 Incompatible materials:

Strong bases compounds.

10.6 Hazardous decomposition products:

No decomposition products posing significant hazards would be expected from this product (an aqueous solution).

SECTION 11: Toxicological information

11.1 Toxicity Data for Hazardous Ingredients

Toxicity Data for Hazardous Ingredients

Sodium Azide

CAS # 26628-22-8

Dermal LD50 Rabbit 20 mg/kg; Oral LD50 Rat 27 mg/kg



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Primary Routes of Exposure:

Common routes of entry include inhalation, ingestion and eye/skin contact. Specific paths of concern for potentially infectious materials are skin puncture, contact with broken skin, contact with mucous membranes and inhalation of aerosolized material.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Short term exposure

- Potential delayed effects: Mixture. No data available.
- Potential immediate effects: Mixture. No data available.

Potential immediate effects

- Long term exposure: No data available.
- Potential delayed effects: No data available.

Acute toxicity estimates:

Ingredients: No data available.

11.2 Information on other hazards

Endocrine disrupting properties

This product does not have substance(s) of endocrine disrupting properties for health according to REACH Article 57(f).

SECTION 12: Ecological information

12.1 Hazards to the aquatic environment:

Sodium Azide	96 h LC50 Oncorhynchus mykiss: 0.8 mg/L; 96 h LC50 Lepomis macrochirus: 0.7 mg/L;
CAS # 26628-22-8	96 h LC50 Pimephales promelas: 5.46 mg/L [flow-through]

12.2 Persistence and Degradability:

Expected to be readily biodegradable.

12.3 Bioaccumulative potential:

No data available.

12.4 Mobility in soil:

No data available.

12.5 Results of PBT and vPvB assessment:

Not determined for the product. PBT: no data available, vPvB: no data available.

12.6 Other adverse effects:



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The product is not expected to be hazardous to the environment.

SECTION 13: Disposal considerations

13.1 General information:

Chemical residues and remains should be routinely handled as special waste. Must be specially treated adhering to official regulations. This material must be disposed in accordance with local regulations. Do not allow product to reach sewage system.

13.2 Uncleaned packaging:

Disposal must be according to local regulations.

Recommended cleaning agent: Water, if necessary with cleaning agents.

SECTION 14: Transport information

Transportation of this product is not regulated under ICAO, IATA DGR, IMDG, US DOT, European ADR and RID or Canadian TDG.

- Non-hazardous for road transport.
- Non-hazardous for sea transport.
- Non-hazardous for air transport.

SECTION 15: Regulatory information

EU Regulations. This MSDS complies with EC Regulations 1907/2006 (REACH) and amendments.

REACH 1907/2006 EC - Annex XIV - list of substances subject to authorization.

Regulation (EU) 2019/1148. No ingredients listed.

US Federal and State Regulations. SARA 313 (Section 313, Title III reporting requirements).

SECTION 16: Other information

Description of hazard Class and hazard statements from Section 3

- Acute Tox. Oral 2 - Acute Toxicity Oral, Category 2
- Aquatic Acute 1 - Aquatic Hazard Acute, Category 1
- Aquatic Longterm 1 - Aquatic Hazard Long term, Category 1
- H300 - Fatal if swallowed
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects

The above information represents the best information currently available for us. However this reagent may present unknown hazards and should be used with caution. Independent professional opinions



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regarding the risk or exposure to this solution are the responsibility of the user.

CHANGE REVISION CONTROL

Change	Version	Date of revision (DD-MM-YYYY)
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