

SAFETY DATA SHEET

SECTION 1. Identification of the substance/mixture and of the company

1. Product identifier

Product No: BR4D601-01-A

Product Name: DAB Peroxidase Substrate Kit/20×DAB-A

2. Recommended use of the chemical and restrictions on use

Relevant identified uses: For research use only.

Uses advised against: Not used for diagnostic procedures.

3. Details of the supplier of the safety data sheet

Zhuhai Biori Biotechnology Co.,Ltd

No, 88, Shui an 1st Road,Xiangzhou District, Zhuhai, Guangdong, China.

Hotline: +86-0756-8699969

SECTION 2. Hazard Identification

GHS (Globally Harmonized System) Classification.

1. Signal word: Danger.

2. Hazard pictograms:



3. Health hazards: Category 3.

4. Physical hazards: Category 2.

5. Hazard statements: H302 - Harmful if swallowed.

H319 - Causes serious eye irritation.

H341 - Suspected of causing genetic defects.

H350 - May cause cancer.

H410 - Very toxic to aquatic life with long lasting effects.

6. Precautionary Statements: Prevention:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P264 Wash skin thoroughly after handling.

7. Principle Routes of Exposure/Potential Health effects

Eyes: May cause eye irritation in susceptible individuals.

Skin: May cause skin irritation in susceptible individuals.

Inhalation: May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

8. Specific effects

Carcinogenic effects: None.

Mutagenic effects: None.

Reproductive toxicity: None.

Sensitization: None.

SECTION 3. Composition/information on ingredients

The product contains no substances considered harmful to health at the given concentration.

CAS#	Chemical Name	Weight(%)	EINECS#
67-56-1	Methyl alcohol	90~95	200-659-6
77-86-1	Tris	3~5	201-064-4
7732-18-5	H ₂ O	Balance	231-791-2

SECTION 4. First aid measures

1. Skin contact: In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower. Consult a physician.
2. Eye contact: After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.
3. Ingestion: After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.
4. Inhalation: After inhalation: fresh air. Call in physician.
5. Most important symptoms and effects, both acute and delayed: described in the labelling (see section 2)
6. Instructions for physicians: symptomatic treatment.

SECTION 5. Fire-Fighting measures

1. Suitable extinguishing media: Carbon dioxide (CO₂), foam, dry chemical.
2. Unsuitable extinguishing media: No information available.
3. Special hazards arising from the substance or mixture: No information available.
4. Protective equipment and precautions for firefighters: Standard procedure for chemical fires.

SECTION 6. Accidental release measures

1. Personal precautions: Always wear recommended Personal Protective Equipment. Use personal protection equipment.
2. Methods for cleaning up: Absorb with inert absorbent material.
3. Environmental precautions: No special environmental precautions required. See Section 12 for more information.

SECTION 7. Handling and storage

1. Handling: Always wear recommended Personal Protective Equipment. Wear personal protective equipment.
2. Storage: Keep in a dry, cool and well-ventilated place.
3. Specific end use (s): For research use only.

SECTION 8. Exposure controls/personal protection

1. Exposure Limits: We are not aware of any national exposure limit.
2. Engineering measures: Ensure adequate ventilation, especially in confined areas.
3. Personal protective equipment: Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment of each laboratory that may use the material.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Hand Protection: Impervious gloves.

Eye protection: Safety glasses with side-shields. Skin and body protection: Lightweight protective clothing.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

4. Environmental exposure controls: No special environmental precautions are required.

SECTION 9. Physical and chemical properties

Physical and chemical Properties	Information	Physical and chemical Properties	Information
Form	Liquid	Flammability(solid gas)	No Data
Appearance	No Data	Oxidising properties	No Data
Odour	Odourless	Water solubility	No Data
Odour Threshold	Tasteless	Upper explosion limit	No Data
Boiling point / boiling range	No Data	Lower explosion limit	No Data
Melting point / melting range	No Data	Vapour Pressure	No Data

flash point	No Data	vapour density	No Data
Autoignition temperature	No Data	Viscosity	No Data
Evaporation rate	No Data	pH value	No Data

SECTION 10. Stability and reactivity

1. Chemical stability: Stable under normal conditions.
2. Reactivity: None known.
3. Possibility of hazardous reactions: Hazardous reaction has not been reported.
4. Conditions to avoid: Exposure to light may affect product quality.
Exposure to moisture may affect product quality.
5. Incompatible materials: Strong oxidizing agents.
6. Hazardous decomposition products: see section 5

SECTION 11: Toxicological information

1. Acute toxicity: Acute toxicity estimate Oral - 500.01 mg/kg

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Methyl alcohol	= 6200 mg/kg (Rat)	No data available	=64000ppm(Rat) =22500ppm(Rat)

2. Principle Routes of exposure potential Health effects.
 Eyes: May cause eye irritation in susceptible individuals.
 Skin: May cause skin irritation in susceptible individuals.
 Inhalation: May be harmful by inhalation.
 Ingestion: May be harmful if swallowed.
 Carcinogenic effects: Presumed to have carcinogenic potential for humans.
 Mutagenic effects: Conclusive but not sufficient for classification.
 Reproductive toxicity: Conclusive but not sufficient for classification.
 Sensitization: Conclusive but not sufficient for classification.

SECTION 12: Ecological information

1. Ecotoxicity: Contains no substances known to be hazardous to the environment or non-degradable in wastewater treatment plants.
2. Mobility: No information available.
3. Biodegradation: No information available.
4. Bioaccumulation: No information available.

SECTION 13: Disposal considerations

Dispose of contents/containers in accordance with local regulations.

SECTION 14: Transport information

IATA

Proper Shipping Name: Not classified as dangerous according to shipping regulations.
 Hazard Class: None.
 Subsidiary class: None
 Packing group: None.
 UN-No: None.

SECTION 15: Regulatory information

1. International Inventories:

Chemical Name	US TSCA	Canada (DSL)	NDSL	PICCS (Philippines)
Methyl alcohol	Listed	Listed	-	Listed

Chemical Name	ENCS (Japan)	IECSC - China Inventory of Existing Chemical Substances	South Korea (KECL)	AICS (Australia)
Methyl alcohol	Listed	Listed	Listed	Listed

Chemical Name	NZIoC - New Zealand Inventory of Chemicals	EINECS (European Union)	ELINCS (European List of Notified Chemical Substances)
Methyl alcohol	Listed	Listed	-

2. China:

Chemical Name	China - Catalogue of Occupational Hazard Factors	China - Dangerous Goods List	China - Catalog of Hypertoxic Chemicals	China - List of Dangerous Chemicals for Priority Management
Methyl alcohol	Present	Present	Not Listed	Present

SECTION 16: Other information

1. Indication of changes: GHS aligned.
2. Training instructions: Use as instructed.
3. Further information: The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. This SDS has been prepared for use with this product only.
4. Notice to readers: The information and recommendations in this safety data sheet should be regarded as a supplement to existing regulations and relevant information that should be known before. It is the responsibility of the users to determine the applicability of this information and the suitability of the material or product for any particular purpose. The health and safety of employees while using this product should be taken responsibly by the employer. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

End of Safety Date Sheet