

FFPE Tissue and Cell Line Microarrays Safety Data Sheet

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 Product identifier

Product and Catalog Numbers: Formalin-Fixed Paraffin-Embedded Tissues 4 µm mounted on Hydrophilic Plus Slides

	CONTROL SLIDES
BSB 2xxx, 3xxx, 5xxx, and 6xxx	Control Slides for antibodies for Immunohistochemistry, 5 slides each
	HUMAN NORMAL & CANCER TMA's
BSB 0200 - 0300	Human Normal, Human Cancer, or Human Lymphoid TMA, various cores, 5 slides each
	CELL LINE MICRO ARRAYS
BSB 0200 - 0399	Cell Line Microarray, various cores, 5 slides each
	INFECTIOUS DISEASE CELL LINE MICROARRAYS
BSB 0200 - 0300	Multi Infectious Disease Cell Line Array (9-core), 5 slides

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

Recommended use: Immunohistochemistry (IHC)
In situ Hybridization (CISH & FISH)

1.3 Details of the supplier of the safety data sheet

Manufacturer: Bio SB, Inc.
 Street Address: 69 Santa Felicia Dr.
 City, State, Zip, Country: Santa Barbara, CA 93117, USA
 Technical Phone: +1-805-692 2768
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 e-mail: info@biosb.com

1.4 Emergency telephone number

Telephone number: +1-805-692 2768 (9 AM - 5 PM PST, M-F)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance

Classification (EC 1272/2008)

According to Regulation (EC) No. 1272/2008 this substance is classified as non-hazardous

2.2 Label elements

Product is not subject to labeling according to (EC) No. 1272/2008 (GHS/CLP)

2.3 Other information

Substance does not meet the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII.
Substance does not meet the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Paraffin Wax: CAS#: 64742-4-34

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General	No special measures are required
Ingestion	Immediately rinse mouth with water if person is conscious. Get medical attention.
Skin contact	Product does not cause irritation. Remove contaminated clothing and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Obtain medical attention and bring these instructions.

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

Inhalation	May cause mild irritation.
Ingestion	May cause discomfort if swallowed.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye contact	May cause temporary eye irritation.

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

No specific first aid measures noted. Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media Fire can be extinguished using: Water spray. Foam. Powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards None known.

5.3. Advice for firefighters

Protective equipment for fire-fighters No special measures required.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

No special measures required.

6.3. Methods and material for containment and cleaning up

Sweep up, place in bag and hold for waste disposal.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.
For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Wear protective clothing as described in Section 8 of this safety data sheet.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Refer to product label.

Storage Class: Refer to product datasheet.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

This substance does not contain substances with occupational exposure limits

8.2. Exposure controls

Protective equipment	Protective gloves, protective clothing, and safety glasses
Process conditions	Provide eyewash station.
Engineering measures	Provide adequate ventilation.
Respiratory equipment	No specific recommendation needed.
Hand protection	Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Nitrile gloves are recommended. Frequent change is advisable. Latex or Nitrile gloves; thickness 0.11 mm, ASTM F1671, DIN EN 455 or equivalent; AQL 1.5.
Eye protection	Wear safety goggles or face shield. DIN 166 or equivalent.
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that

Skin protection

becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Wear apron or protective clothing in case of contact. Wash contaminated clothing before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Solid
Color	White
Odor	Odorless
Solubility	Not soluble in water
Initial boiling point and boiling range	Not determined
Melting point (°C)	~ 50 -60°C
Relative density	Not determined
Vapor density (air=1)	Not determined
Vapor pressure	Not determined
Evaporation rate	Not determined
Viscosity	Not determined
Solubility Value (G/100G H ₂ O@20°C)	Not determined
Decomposition temperature (°C)	Not determined
Flash point	Not applicable
Auto Ignition Temperature (°C)	Not determined
Flammability Limit – Lower (%)	Not applicable
Flammability Limit – Upper (%)	Not applicable
Partition Coefficient (N-Octanol/Water)	Not determined
Explosive properties	Product does not present an explosive hazard
Oxidizing properties	Does not meet the criteria for oxidizing

9.2. Other information

None

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Hazardous Polymerization Will not polymerize

10.4. Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No dangerous reactions known

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information	No information available
Acute toxicity:	No information available
Skin Corrosion/Irritation:	No effects known
Human Skin Model Test	Not determined
Serious eye damage/irritation:	Not determined
Respiratory sensitization	Not determined
Skin sensitization	Not determined
Germ cell mutagenicity (InVitro)	Not determined
Carcinogenicity	Not determined
Reproductive Toxicity – Fertility	Not determined
Specific target organ toxicity - single exposure: STOT - Single exposure	Not determined
Specific target organ toxicity - repeated exposure: STOT - Repeated exposure	Not determined
Aspiration hazard:	
Viscosity	Not determined
Inhalation	May cause respiratory tract irritation
Ingestion	Harmful if swallowed
Skin contact	Not a skin sensitizer
Eye contact	May cause irritation
Health Warnings	Skin and Eye irritation; Discomfort if swallowed
Route of entry	Ingestion. Skin and/or eye contact

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity No data available

12.1. Toxicity

Acute Toxicity – Fish Not determined

12.2. Persistence and degradability

Degradability There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation. The product does not contain any substances expected to be bioaccumulating.

Partition coefficient Not determined

12.4. Mobility in soil

Mobility: The product is not soluble in water.

12.5. Results of PBT and vPvB assessment

Not expected to be PBT or vPvB

12.6. Other adverse effects

Not determined

SECTION 13: DISPOSAL CONSIDERATIONS

General information Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORTATION INFORMATION

General	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
Road Transport Notes	Not Classified
Rail Transport Notes	Not classified
Sea Transport Notes	Not classified
Air Transport Notes	Not classified

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant	No.
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14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Approved Code of Practice	Classification and Labeling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.
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EU Legislation

Regulation (EU) No 453/2010 of 20 May 2010 Annex II and Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, and amending Regulation (EC) No 1907/2006 with amendments. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

General information Only trained personnel should use this material.

SDS No.: Revision B

Date: 01/02/2017

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to determine the applicability of these data to the formulation of necessary safety precautions.

Bio SB shall not be held responsible for any damage resulting from the use of the above product or the information contained in this safety datasheet.

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