# SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** BioBall

**PROPER SHIPPING NAME:** Biological Substance, Category B

**PRODUCT USE:** Used for quantitative microbiological quality control.

**SUPPLIER**

- **Company:** BTF - A BioMérieux Company
- **Address:** Unit 1, 35 - 41 Waterloo Rd
  North Ryde NSW, 2113
  AUSTRALIA
- **Telephone:** +61 2 8877 9150
- **Fax:** +61 2 8221 9589
- **Email:** bioball@btf.biomerieux.com

# SECTION 2 – INFORMATION ON INGREDIENTS

**APPEARANCE:** Freeze dried, odourless white/black ball approximately 3mm in diameter in glass container (vials).

**SOLID/LIQUID/GAS:** Solid (Frozen State), soluble in water.

The viable components include a mixture of frozen cells and liquid cell culture medium.

# SECTION 3 – HAZARDS IDENTIFICATION

This substance is not hazardous as defined by NOHSC:1008 however this product is classified as an infectious substance as defined by the ADG7

# SECTION 4 – FIRST AID MEASURES

If accidental contact with materials occurs laboratory staff must follow the local first aid procedures that are normally applied following exposure to organisms of Hazard Group 2 (equivalent terms are Risk Group or Biological Safety Level).

**EYES:** Irrigate with physiological saline or water. Seek medical advice immediately.

**SKIN:** Rinse thoroughly with approved disinfectant. Seek medical advice immediately.

**INGESTION:** Seek medical advice immediately.

**INHALATION:** Seek medical advice immediately.
SECTION 5 - FIRE FIGHTING MEASURES

Extinguisher medium: Use medium suitable for surrounding environment.
Protective equipment for fire fighting: Wear self-contained breathing apparatus and protective clothing to prevent inhalation, ingestion, skin and eye contact.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Action to be taken in the event of damage or leakage.
If any person responsible for the carriage or opening of packages containing infectious substances (Class 6.2) becomes aware of damage to or leakage from such packages he/she should:
- Avoid handling the package or keep handling to a minimum
- Inspect adjacent packages for contamination and put aside any that may have been contaminated.
- Inform the appropriate Health or Veterinary Authority, and provide information on any other countries of transit where persons may have been exposed to danger; and notify the consignor and/or consignee.
- A Public Health or Veterinary Authority to which actual or suspected leakage from or damage to an infectious substance package is reported, should notify the authorities of any countries in which the package may have been handled including countries in transit. [IMDG Code p. 6309].

Action to be taken in the event of a spill:
Wear a laboratory coat and disposable latex gloves:
- Allow aerosols to settle.
- Cover spill with paper towel.
- Apply a 1% sodium hypochlorite solution.
- Start application from the perimeter of the spill and work towards the centre.
- Allow sufficient contact time (30 minutes) before beginning clean-up.

SECTION 7 - HANDLING AND STORAGE

PROCEDURE FOR HANDLING:
Laboratories and areas where active biological agents are handled must be restricted to authorised persons trained to perform specific tasks.

Personal protective equipment comprised of laboratory coat, disposable latex/plastic gloves and safety glasses should be worn.

Laboratory Containment or Physical Containment Level 2 (PC 2) must be used for work with biological agents in Hazard or Risk Group 2.

There must be specified disinfection procedures.

Procedures that give rise to infectious aerosols must be conducted in a microbiological safety cabinet, isolator, glove box or otherwise suitably contained.

SUITABLE CONTAINER:
Receptacles with their closures or fittings shall be as approved by the competent authority of the country of origin.

STORAGE INCOMPATIBILITY:
Presence of heat source and direct sunlight (ultra-violet radiation).

STORAGE REQUIREMENTS:
Freezer storage required.
SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Access to the area is to be restricted to authorised persons. A specific disinfection procedure must be established and applied.

If the area (laboratory, store, animal room) is mechanically ventilated it must be maintained at an air pressure negative to atmosphere whilst work is in progress.

If traffic in and out of Containment Level 2-4 rooms interferes with ventilation airflow patterns and, if the laboratory is ventilated specifically to contain airborne pathogens in the event of accident, then engineering controls and working arrangements must be devised to counter the risk of airborne transmission to other areas.

When undertaking procedures that are likely to give rise to infectious aerosols, a Class II microbiological Safety Cabinet must be used.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Data Not Available

SECTION 10 - STABILITY AND REACTIVITY INFORMATION

For incompatible materials - refer to Section 7 - Handling and Storage.

SECTION 11 - TOXICOLOGICAL INFORMATION

**EYE:** Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn). Potentially infectious.

**SKIN:** The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting. Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected. Potentially infectious.

**INGESTED:** Accidental ingestion of the material may be damaging to the health of the individual. Potentially infectious.

**INHALED:** Inhalation of infectious aerosols may result in a variety of infections depending on the organism involved. The incubation period for infection is variable ranging from a few days to a few weeks. Potentially infectious.

**CHRONIC HEALTH EFFECTS**
Principal routes of exposure are by skin contact, accidental injection (needle stick), ingestion and/or inhalation of aerosols. Symptoms and longer term effects are related to the pathology of the infection.

**TOXICITY AND IRRITATION**
Unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.
SECTION 12 - ECOLOGICAL INFORMATION

DO NOT discharge into sewer or waterways.

SECTION 13 - DISPOSAL CONSIDERATIONS

Follow established procedures for Biosafety containment Level 2.

Spillage: Wear laboratory coat, disposable gloves and safety glasses. Place paper towels or absorbent material over the spill. Pour 1% sodium hypochlorite over spill to saturate and leave for 30 minutes before cleaning and disposal.

Waste Disposal: Decontaminate prior to disposal with 1% sodium hypochlorite and leave for 30 minutes before disposing liquid waste down the sink with running water. Solid waste should be placed in a sealed bag and destroyed by incineration.

Follow all national, regional and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

LABELS REQUIRED (IATA): UN3373
HAZCHEM: 2X(ADG7)

ADG7:
Class or division: 6.2 Subsidiary Risk: None
UN No.: 3373 UN packing group: None
Special provisions: 319, 341 Packing Instructions: None
Notes: None Limited quantities: 0
Portable tanks and bulk containers - Special provisions: TP1
Packaging and IBCs - Packing instruction: P650 Packaging and IBCs - Special packing provisions: None
Shipping Name: BIOLOGICAL SUBSTANCE, CATEGORY B

Land Transport UNDG:
Class or division: 6.2 Subsidiary Risk: None
UN No.: 3373 UN packing group: None
Shipping Name: BIOLOGICAL SUBSTANCE, CATEGORY B

Air Transport IATA:
ICAO/IATA Class: 6.2 ICAO/IATA Sub Risk: None
UN/ID Number: 3373 Packing Group: -
Special provisions: None
Shipping Name: BIOLOGICAL SUBSTANCE, CATEGORY B

Maritime Transport IMDG:
IMDG Class: 6.2 IMDG Sub Risk: None
UN Number: 3373 Packing Group: None
EMS Number: F-A,S-T Special provisions: 319
Limited Quantities: None
Shipping Name: BIOLOGICAL SUBSTANCE, CATEGORY B

SECTION 15 - REGULATORY INFORMATION

Regulations: No data for BioBall
SECTION 16 - OTHER INFORMATION

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review using available literature references.

The MSDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

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This is the end of the MSDS.