



Preserved and fixed animal and human specimens

Case Description

Effective: 18 July 2020

This case describes the requirements for the importation of animal and human specimens that are preserved or fixed, for end uses other than fertiliser, animal feed or growing purposes. This may include specimens such as phytoplankton, zooplankton, preserved or fixed insects and arachnids, dead or preserved bees and preserved or fixed animal or human specimens, including specimens in resin. This case excludes oyster shells.

For the import of fixed specimens on glass or plastic slides, please refer to the BICON case Microscope slides.

Import Destination: Australia



People bringing chemically fixed animal specimens into Australian territory should contact their carrier/postal agent for information on any specific transport restrictions that may apply to these goods.

Alerts

There are no current alerts applicable to this import case. Users should be aware that alerts can have significant impact on import conditions and, as such, should check this import case on the BICON website regularly.

Table of Contents

Preserved and fixed animal and human specimens1

 Case Description1

 Alerts1

Table of Contents2

Import Scenario Definition3

1. Other animal and invertebrate specimens — Preserved in 70% alcohol, 10% formalin, 4% formaldehyde or 2% glutaraldehyde3

 1.1. Import Requirements3

Appendix 1: Documentation Requirements5

Appendix 2: Document Options.....8

Import Scenario Definition

1. Other animal and invertebrate specimens — Preserved in 70% alcohol, 10% formalin, 4% formaldehyde or 2% glutaraldehyde

1.1. Import Requirements

- a. A Department of Agriculture, Water and the Environment import permit is not required.
- b. **Commercial administrative conditions**
Documents must be provided with each consignment which:
 1. identify the consignment (if non-personal) e.g. entry number
 2. identify all goods being imported as part of this consignment e.g. invoice or waybill or importer's manifest
 3. describe the goods being imported (where not clear).
e.g. 1: Product XRab = Purified protein derived from rabbits
e.g. 2: Product AX = Synthetic antibiotic
e.g. 3: Comte = Cheese.
- c. The goods must have been preserved and fixed correctly by a Department approved method.
To demonstrate compliance with this requirement you must present the following on a Manufacturer's declaration:
Details that the specimens were preserved and fixed using one of the following methods:
 1. alcohol (70%), or
 2. formalin (10%), or
 3. formaldehyde (4%), or
 4. glutaraldehyde (minimum of 2%), or
 5. plastinated using curable polymers.

The declaration must be issued by the individual or facility that preserved the tissue confirming the treatment method used to ensure complete preservation and fixation. The declaration must be specific to the specimen being imported by making reference to label information or by providing a description of the tissue in the container which allows biosecurity officers to identify the specimen. It is not a requirement for the specimen to be transported in the fixative or preservative.
- d. The container must be reliably sealed.
- e. These conditions do not allow for the import of:
 1. specimens to be used for research or analysis involving live animals i.e. no animal is to be exposed directly or indirectly to the specimen or any of its derivatives.
 2. specimens to be used for isolation or synthesis of viable microorganisms or infectious agents or their homologues.
 3. specimens containing oyster shell.
- f. Under the [Biosecurity Charges Imposition \(General\) Regulation 2016](#) and Chapter 9, Part 2 of the [Biosecurity Regulation 2016](#), fees are payable to the Department of Agriculture,

Water and the Environment for all services. Detail on how the department applies fees and levies may be found in the [Charging guidelines](#).

- g. In addition to the conditions for the goods being imported, non-commodity concerns must be assessed including container cleanliness, packaging and destination concerns, and may be subject to inspection and treatment on arrival. Please refer to the Non-Commodity Cargo Clearance BICON case for further information.



This commodity may contain animal derived material that may require a wildlife trade permit and/or other approvals from the Wildlife Trade Regulation section. More information is available on the [International wildlife trade webpage](#).

Appendix 1: Documentation Requirements

The information below describes the requirements for documentation presented to the Department of Agriculture to support the risk assessment of imported goods.

Manufacturer's declaration

A declaration provided by the manufacturer of the goods, which is specific to the goods in the consignment and attests to the condition/processing/treatment of the goods.

- a. **Complete** - All prescribed information required to be on a document must be present and complete. Additional prescribed information below:
 - 1. The document must have been issued and dated within the last six months, unless otherwise specified.
 - 2. The document must be on the manufacturing company's letterhead and include their name and address.
 - 3. The document must contain the correct statement(s) as required by the import conditions.
 - 4. The document must be specific to the product(s) and consignment.
 - 5. Declarations will only be accepted from the company that manufactured/produced the goods (either the specific site or head office within the country of export).
- b. **Legible** - All prescribed information required to be on a document must be legible.
- c. **Valid** - Many documents, such as import permits, are valid for a certain period. Presented documents must comply with the validity requirements specified for that class of document.
- d. **In English** - All information required to be on a document must be in English. Exceptions to this rule include:
 - 1. company letterheads that do not need to be translated into English but must be in English characters.
 - 2. commercial, transport and government certification that are required to comply with international standard formats.
 - 3. signatures and names of individuals.

Where a document cannot be provided in English, an affidavit will be accepted from either:

- 1. that country's consulate in Australia.
 - 2. the Australian embassy in the country of origin.
 - 3. a translator accredited by the National Accreditation Authority for Translators and Interpreters Ltd.
- e. **Free from erasures and alterations** - All prescribed information on the document must be free from erasures and alterations unless endorsed by the issuer of the document. The only acceptable endorsement is a company stamp or seal signed by the company employee (including printed name) or a government stamp or seal signed by a government employee (including printed name) applied adjacent to the alteration.
- f. **Multiple page documents** - Multi page document must:

- include individual reference numbers/numerical link on ALL pages of the document. For example, commercial invoices (or similar) must contain the documents individual reference number or numerical link on each page of the document.
- contain an endorsement on the final page of the document, following the information that is being endorsed.

Note: where a document has noted attachments, the attachments can follow the endorsement.

- g. **Endorsed** - All documents must be endorsed by a representative of the organisation or corporation issuing the document. An endorsement must:
1. be an acceptable signature or stamp as defined in the Definitions section of this policy
 2. include the individuals name and company title
 3. appear after the information that the signatory is endorsing.

Where a document has noted attachments, the endorsement can be made before the attachments.

- h. **Date of issue** - All documents must identify the date of issue and is to include the day, month and year. Packing declarations may contain vessel/voyage number which can be used in lieu of the date of issue.
- i. **Consignment specific link** - All documents presented to the department for assessment must have a unique consignment-specific link. Examples of consignment identification include:
- container numbers
 - bill numbers
 - commercial invoice numbers
 - lot codes
 - preferential tariff certificate numbers
 - packing list numbers
 - letter of credit numbers.

Where a document does not contain one of the accepted forms of consignment identification, a numerical link to another document that does contain appropriate consignment identification must be present.

Examples of acceptable numerical links include:

- order numbers
- reference numbers
- any other internal reference numbers used by overseas companies
- vessel/voyage references.

Numerical links alone cannot be used as consignment identification links.

Unacceptable numerical links are references that could be present in previous or subsequent consignments and relate to a model, type or standardised item number. Examples of unacceptable numerical links include:

- number of packages

- weights
- dates
- stockkeeping unit
- item codes.

Annual packing declarations are exempt from having consignment-specific links.



For further information, please refer to the [Minimum documentary and import declaration requirements policy](#).

Appendix 2: Document Options

Context & Inclusions

User Context: External

- | | |
|--|-------------------------------|
| ⚙ Appendix - Annexes | ⚙ Appendix – Scientific Names |
| ⚙ Appendix – Documentation Requirements | ✳ Element Identifiers |
| ✳ Appendix - Glossary | ⚙ What’s Changed |
| ✳ Appendix – Questions and Answers | ✳ Onshore Management |
| ✳ Appendix – Rationale | ✳ Main Processing Path Only |
| ✳ Appendix – References (Files and URLs) | ✳ Procedures |

Authoring Aids & Outputs

Output Format: PDF

This document is governed by the Terms and Conditions of the Department of Agriculture.

See <https://bicon.agriculture.gov.au/BiconWeb4.0> for further details.

© Commonwealth of Australia

MATERIAL SAFETY DATA SHEETS

Page 1 of 4

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1	Product:	Biological sample (Penaeid prawn tissue) preserved in 70% Ethanol
1.2	Shipping Name:	Ethanol 70%
1.3	Recommended Use:	Indefinite
1.4	Responsible Person:	Genics Pty Ltd
1.5	A.B.N:	86.623.276.586
1.6	Address:	Gehrmann Laboratories, Level 5, 60 Research Road, University of Queensland, St Lucia, QLD 4067 AUSTRALIA
1.7	Telephone Number:	1300 895 515
1.8	Emergency Telephone Numbers:	+61 437 025 821

2. HAZARDS IDENTIFICATION

2.1	Chemical Hazard Classification:	Non-Hazardous Substance. Flammable liquids – Category 2, Eye irritation – Category 2A
2.2	Biological Hazard:	Nil (non-infectious fixed tissue for research or diagnostic purposes only)
2.3	Risk Phrase(s):	R11 : Highly Flammable R36 : Irritating to eyes R51 : Harmful to aquatic organisms
2.4	Safety Phrase(s):	S7: Keep container tightly closed S16: Keep away from sources of ignition S25 : Avoid contact with eyes S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

3. COMPOSITION

Chemical Name	CAS Number	Proportion %
Ethanol 70%	64-17-5	80.00 – 90.00
Biological material (Penaeid prawn tissue)	Nil	10.00 – 20.00

4. FIRST AID MEASURES

Description of Necessary First Aid Measures	
4.1	If any irritation occurs or persists from any route of exposure, remove the affected individual from the area. Ensure supply of fresh air. See a physician / get medical attention.
Ingestion:	Do not induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Seek medical advice.
Eye:	In normal conditions, the product is not particularly dangerous. If direct contact with eyes, may cause irritation. Rinse with plenty clean water.

MATERIAL SAFETY DATA SHEETS

Page 2 of 4

Skin:	No reaction in normal conditions. If irritation occurs, wash with plenty of water and discontinue use.
Inhalation:	No reaction in normal conditions. If irritation occurs, discontinue use.
4.2 Medical Attention and Special Treatment	
First Aid Facilities:	Maintain eye wash station and safety shower in work area.
Comments:	Treatment according to the patient's condition & specific exposure.
Advice to Doctor:	Symptomatic treatment

5. FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:	Water, fog, carbon dioxide or dry chemical powder.
5.2 Hazards From Combustion Products:	Not Applicable.
5.3 Special Protective Precautions and Equipment For Fire Fighters:	Not Applicable
5.4 Hazchem Code:	Flammable liquids – Category 2Y

6. ACCIDENTAL RELEASE MEASURES

6.1 Emergency Procedures:	Dike spillage to prevent spillage into streams or sewer systems.
6.2 Methods and Materials for Containment and Clean Up:	Use personal / protective equipment. Absorb and/or sweep the spillage for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:	For external use only. Avoid contact with eyes. Keep out of reach of children. Do not use on broken skin.
7.2 Conditions for Safe Storage:	Keep in a dry, cool place. Protect from heat & freezing. Keep away from sources of ignition and naked flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 National Exposure Standards:	ASCC (AUS) TWA 1000ppm 1880 mg/mg3
8.2 Biological Limit Values:	Not Applicable
8.3 Engineering Controls:	Avoid inhalation. Open in well ventilated area.
8.4 Personal Protective Equipment:	
Respiratory	No personal protective equipment required if use under normal conditions.
Eye	No personal protective equipment required if use under normal conditions.
Skin	No personal protective equipment required if use under normal conditions

MATERIAL SAFETY DATA SHEETS

Page 3 of 4

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Description / Properties

Appearance:	Clear liquid, colourless to light yellow
Odour:	Alcohol odour
Specific Gravity (@ 25°C):	0.811 – 0.861
Flash Point (°C):	13°C ASTM D93

10. STABILITY AND REACTIVITY

10.1 Chemical Stability:	Stable under normal conditions.
10.2 Conditions To Avoid:	Strong acids, strong oxidizers, strong bases, halogens and aldehydes, heat and spark flames.
10.3 Incompatible Materials:	Strong acids, strong oxidizers, strong bases.
10.4 Hazardous Decomposition Products:	If used under normal conditions, no hazardous product decomposition.
10.5 Hazardous Reactions:	If used under normal conditions, no hazardous reactions.

11. TOXICOLOGICAL INFORMATION

11.1 Likely Route of Exposure:	Eyes / Skin / Inhalation / Ingestion
11.2 Health Effects From Likely Route of Exposure:	
Eye:	In normal conditions, the product is not particularly dangerous. If direct contact with eyes, may cause irritation. Rinse with plenty clean water.
Skin:	No reaction in normal conditions. If irritation occurs, wash with plenty of water and discontinue use.
Inhalation:	No reaction in normal conditions. If irritation occurs, discontinue use.
Chronic Effects:	It is not expected to have chronic health effects.
Ingestion:	Do not induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Seek medical advice.
11.3 Additional Information:	No

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:	If spilled on soil, ethanol will either evaporate or leach into the ground due to the relatively high vapour pressure and low adsorption in soil.
Bioaccumulation:	It will biodegrade, probably to acetic acid and formaldehyde. Ethanol will volatilise from water and biodegrade and is not expected to bioconcentrate.
12.2 Persistence and degradability:	It will photodegrade in air with a half-life ranging from hours (polluted air) to days (clean air).
12.3 Environmental Fate:	Low impact.

MATERIAL SAFETY DATA SHEETS

Page 4 of 4

13. DISPOSAL CONSIDERATIONS

- 13.1 Disposal Method:** For small amounts absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result. Dispose of according to local, state and federal regulations.
- 13.2 Special Precautions for Landfill or Incineration:** No applicable information

14. TRANSPORTATION INFORMATION

- 14.1 Shipping Number:** UN 1170
- 14.2 Shipping Name:** Biological sample in 70% Ethanol
- 14.3 Dangerous Goods Class:** 3
- Packing Group:** III
- 14.4 HAZCHEM Code:** 2Y
- Additional Shipping Information:** Not Applicable

15. REGULATORY INFORMATION

- 15.1 SUSDP Poisons Schedule:** Not Applicable
- 15.2 Prohibition / Licensing Requirements:** Refer to ATO permit requirements for Concessional Spirits.

16. OTHER INFORMATION

- 16.1 Issue Date:** 07 August 2020

DOCUMENT END

The information in this data sheet is to the best of our knowledge true and accurate, but all data, instructions and/or suggestions are made without guarantee. These statements are solely for the above-mentioned product and should help to take adequate safety precautions.