

DRY ICE AND BIOLOGICAL MATERIAL SHIPPING GUIDE

JUNE 26, 2025

The following guide provides a summary of marking, labeling and paperwork requirements for shipping Infectious Materials via domestic USA (49 CFR 171-180; current as of 1-JAN-2025]), international air (2025 IATA DGR, 66th Edition) and international vessel (IMDG, 42-24). Refer to the regulatory citations provided, country specific regulations and/or operator variations for complete requirements. Employees who perform any pre-transportation functions must have current training certificates.

Also see: **DISCLAIMER**

This guide will be updated as infectious materials regulations change. Please check www.hazmateam.com for the most current version of this document.





IMPORTANT DEFINITIONS (READ FIRST!)

CATEGORY A INFECTIOUS

CATEGORY B INFECTIOUS

REGULATED MEDICAL WASTE (NO CATEGORY A PATHOGENS)

(NO PATHOGENS)

PATIENT SPECIMENS
(NO PATHOGENS)

NON-INFECTIOUS ANIMAL SPECIMENS

GENETICALLY MODIFIED MICRO-ORGANISMS OR ORGANISMS (NO PATHOGENS)

SELF-TRANSPORT OPTIONS

DRY ICE (NO PATHOGENS)

SHIPPING PAPER EXAMPLES

IMPORTANT DEFINITIONS

This guide is formatted to the following DOT, IATA and IMDG Hazardous Materials/DG definitions:

Biological product means a virus, therapeutic serum, toxin, antitoxin, vaccine, blood, blood component or derivative, allergenic product, or analogous product, or arsphenamine or derivative of arsphenamine (or any other trivalent arsenic compound) applicable to the prevention, treatment, or cure of a disease or condition of human beings or animals. Unless otherwise excepted, a *biological product* known or reasonably expected to contain a pathogen that meets the definition of a Category A or B infectious substance must be assigned the identification number UN 2814, UN 2900, or UN 3373, as appropriate.

Category A Infectious: An infectious substance in a form capable of causing permanent disability or lifethreatening or fatal disease in otherwise healthy humans or animals when exposure to it occurs. An exposure occurs when an infectious substance is released outside of its protective packaging, resulting in physical contact with humans or animals. A Category A infectious substance must be assigned to identification number UN 2814, UN 2900 or UN 3549, as appropriate.

Category B Infectious: An infectious substance that is not in a form generally capable of causing permanent disability or life-threatening or fatal disease in otherwise healthy humans or animals when exposure to it occurs. This includes Category B infectious substances transported for diagnostic or investigational purposes. A Category B infectious substance must be described as "Biological substance, Category B" and assigned identification number UN 3373. This does not include regulated medical waste, which must be assigned identification number UN 3291.

Dry Ice: is Carbon Dioxide, solid. Carbon dioxide, solid **sublimates** directly to gaseous carbon dioxide without going through a liquid phase.

Genetically modified micro-organisms (GMMOs) and genetically modified organisms (GMOs) are micro-organisms and organisms in which genetic material has been purposely altered through genetic engineering in a way that does not occur naturally. GMMOs and GMOs which do not meet the definition of toxic or infectious substances must be assigned to UN 3245.

Infectious substance means a material known or reasonably expected to contain a pathogen.

Pathogen is a microorganism (including bacteria, viruses, rickettsiae, parasites, fungi) or other agent, such as a proteinaceous infectious particle (prion), that can cause disease in humans or animals.

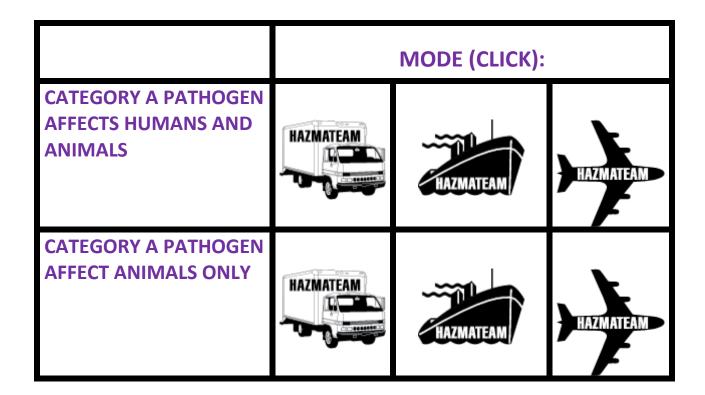
Patient Specimen: means human or animal material collected directly from humans or animals and transported for research, diagnosis, investigational activities, or disease treatment or prevention. *Patient specimen* includes excreta, secreta, blood and its components, tissue and tissue swabs, body parts, and specimens in transport media (*e.g.*, transwabs, culture media, and blood culture bottles).

Regulated medical waste: means a waste or reusable material derived from the medical treatment of an animal or human, which includes diagnosis and immunization, or from biomedical research, which includes the production and testing of biological products. Regulated medical waste or clinical waste or (bio) medical waste containing a Category A infectious substance must be classed as an infectious substance, and assigned to UN2814, UN2900 or UN 3549 as appropriate.

Refer to 49 CFR 173.134, IMDG 2.6.3 and IATA DGR 3.6.2, 3.9.2.5 & Appendix A.



CATEGORY A INFECTIOUS MATERIALS TRANSPORTATION



NAVIGATE (CLICK):



CATEGORY B INFECTIOUS MATERIALS TRANSPORTATION

CATEGORY B PATHOGENS SHIPPED FOR INVESTIGATIONAL PURPOSES MODE (CLICK): HAZMATEAM HAZMATEAM

NAVIGATE (CLICK):



REGULATED MEDICAL WASTE

(NO CATEGORY A PATHOGENS)

	MODE (CLICK):
REGULATED MEDICAL WASTE	HAZMATEAM
SHARPS	HAZMATEAM

NAVIGATE (CLICK):



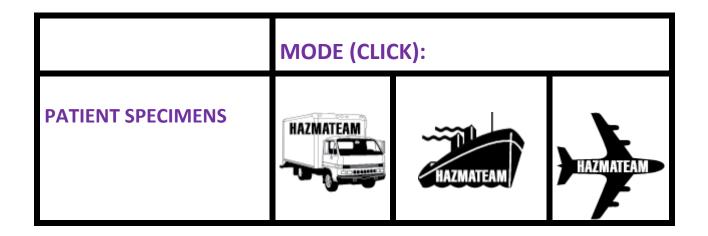
(NO PATHOGENS)

	MODE (CLIC	CK):	
BIOLOGICAL PRODUCTS	HAZMATEAM	HAZMATEAM	HAZMATEAM
BIOLOGICAL PRODUCTS WITH ETHANOL	HAZMATEAM	HAZMATEAM	HAZMATEAM

NAVIGATE (CLICK):



PATIENT SPECIMENS (NO PATHOGENS)



NAVIGATE (CLICK):



NON-INFECTIOUS ANIMAL SPECIMENS

MODE (CLICK):

NON-INFECTIOUS ANIMAL SPECIMENS

Non-infectious specimens, such as specimens of mammals, birds, amphibians, reptiles, fish, insects and other invertebrates containing small quantities of Ethanol (UN1170), Formaldehyde solution, flammable (UN1198), Alcohols, n.o.s. (UN1987) and Isopropanol (UN1219)





NAVIGATE (CLICK):



GENETICALLY MODIFIED MICRO-ORGANISMS OR ORGANISMS

(NO PATHOGENS)

	MODE (CLIC	CK):	
GENETICALLY MODIFIED MICRO-ORGANISMS AND ORGANISMS	NOT REGULATED US GROUND	HAZMATEAM	HAZMATEAM



NON-INFECTIOUS ANIMAL SPECIMENS

- NO PROPER SHIPPING NAME OR UN NUMBER
- GROUND NOT REGULATED
- DECLARATION/SHIPPING PAPER: NO
- Non-infectious specimens, such as specimens of mammals, birds, amphibians, reptiles, fish, insects and other
 invertebrates containing small quantities of Ethanol (UN1170), Formaldehyde solution, flammable (UN1198),
 Alcohols, n.o.s. (UN1987) and Isopropanol (UN1219) are not regulated provided the requirements of 49 CFR
 173.4b(b) are met.
- See OSHA labeling requirements for hazardous chemicals

The specimens are:

- (i) Wrapped in a paper towel or cheesecloth moistened with alcohol, an alcohol solution, or a formaldehyde solution and placed in a plastic bag that is heat-sealed. Any free liquid in the bag must not exceed 30 mL; or
- (ii) Placed in vials or other rigid containers with no more than 30 mL of alcohol, an alcohol solution, or a formaldehyde solution. The containers are placed in a plastic bag that is heat-sealed;
- (2) The bagged specimens are placed in another plastic bag with sufficient absorbent material to absorb the entire liquid contents inside the primary receptacle. The outer plastic bag is then heat-sealed;
- (3) The completed bag is placed in a strong outer packaging with sufficient cushioning material that conforms to subpart B of part 173;
- (4) The aggregate net quantity of flammable liquid in one outer packaging may not exceed 1 L



Address label optional

© HAZMATEAM, INC.

REFERENCE:

GROUND: 49 CFR 173.4b(b)







NON-INFECTIOUS ANIMAL SPECIMENS

- NO PROPER SHIPPING NAME OR UN NUMBER
- AIR NOT REGULATED
- DECLARATION/SHIPPING PAPER: NO
- Non-infectious specimens, such as specimens of mammals, birds, amphibians, reptiles, fish, insects and other
 invertebrates containing small quantities of Ethanol (UN1170), Formaldehyde solution, flammable (UN1198),
 Alcohols, n.o.s. (UN1987) and Isopropanol (UN1219) are not regulated provided the requirements of IATA SP
 A180 are met.
- See OSHA labeling requirements for hazardous chemicals

The specimens are:

- (i) Wrapped in a paper towel or cheesecloth moistened with alcohol, an alcohol solution, or a formaldehyde solution and placed in a plastic bag that is heat-sealed. Any free liquid in the bag must not exceed 30 mL; or
- (ii) Placed in vials or other rigid containers with no more than 30 mL of alcohol, an alcohol solution, or a formaldehyde solution. The containers are placed in a plastic bag that is heat-sealed;
- (2) The bagged specimens are placed in another plastic bag with sufficient absorbent material to absorb the entire liquid contents inside the primary receptacle. The outer plastic bag is then heat-sealed;
- (3) The completed bag is placed in a strong outer packaging with sufficient cushioning material.
- (4) The aggregate net quantity of flammable liquid in one outer packaging may not exceed 1 L



Address label optional

© HAZMATEAM, INC.

REFERENCE:

GROUND: IATA DGR SP A180



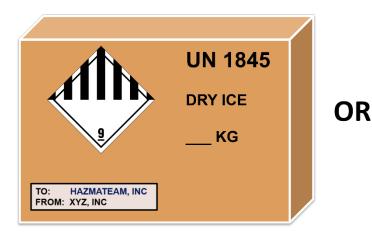


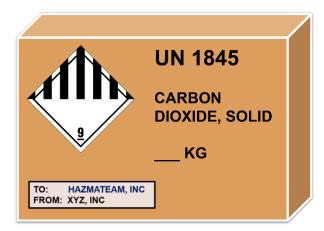


DRY ICE (CARBON DIOXIDE, SOLID)



- Dry Ice, UN 1845 OR Carbon Dioxide, Solid, UN 1845
- Vessel and Air transport
- Not regulated for ground transport
- DECLARATION/SHIPPING PAPER: Not required when cooling a material that does not require a shipping paper (such as perishable food product, UN 3373, Biological Substances, etc). However, when cooling a substance that does require a shipping paper/declaration (such as UN 2814 or UN 2900), Dry Ice must be described on the document. See Shipping Paper/Declaration examples.
- Click Here for OSHA workplace Dry Ice labeling requirements.
- <u>Click Here</u> for Dry Ice safe handling and packages assembly.
- For air transport, packages must not contain more than 200 KG of Dry Ice.
- The package illustrations below are for Dry Ice cooling a material that does not require any package marks or labels on the shipping container. The Dry Ice marks and labels below must be affixed in addition to any other required package marks & labels.





FOR AIR TRANSPORT, PACKAGE MARKINGS MUST IN INCLUDE THE NET QTY (KG) OF DRY ICE PER PACKAGE.

© HAZMATEAM, INC.

REFERENCE:

AIR: IATA DGR Packing Instruction 954

VESSEL: IMDG CODE, Packing Instruction P003

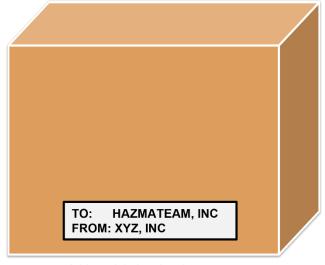


Biological Product

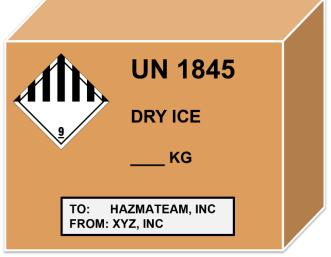
- NO PROPER SHIPPING NAME OR UN NUMBER
- Vessel and Air transport
- DECLARATION/SHIPPING PAPER: NO
- Biological product means a virus, therapeutic serum, toxin, antitoxin, vaccine, blood, blood component or
 derivative, allergenic product, or analogous product, or arsphenamine or derivative of arsphenamine (or any
 other trivalent arsenic compound) applicable to the prevention, treatment, or cure of a disease or condition of
 human beings or animals.
- Biological Products are not regulated for transportation provided the material does not contain a pathogen or meet the definition of any other hazard class.
- Click Here for OSHA Dry Ice; Click here for Bloodborne Pathogen labeling requirements.

PACKAGE WITHOUT DRY ICE

PACKAGE WITH DRY ICE (CLICK HERE FOR DRY ICE PACKAGING)



Address label optional



Address label optional

© HAZMATEAM, INC.

REFERENCE:

AIR: IATA DGR 3.6.2.1.2 & 3.6.2.3

VESSEL: IMDG CODE, 2.6.3.1.2 & 2.6..3.3





Biological Product

- NO PROPER SHIPPING NAME OR UN NUMBER
- GROUND NOT REGULATED
- DECLARATION/SHIPPING PAPER: NO
- Biological product means a virus, therapeutic serum, toxin, antitoxin, vaccine, blood, blood component or
 derivative, allergenic product, or analogous product, or arsphenamine or derivative of arsphenamine (or any
 other trivalent arsenic compound) applicable to the prevention, treatment, or cure of a disease or condition of
 human beings or animals.
- Biological Products are not regulated for transportation provided the material does not contain a
 pathogen or meet the definition of any other hazard class.
 Click here for Bloodborne Pathogen labeling requirements.
- <u>Click Here</u> for ground self-transport exceptions

TO: HAZMATEAM, INC FROM: XYZ, INC

Address label optional

© HAZMATEAM, INC.

REFERENCE:

GROUND: 49 CFR 173.134 (a)(2) & 173.134(b)(6)







Biological Product with Ethanol (GROUND)

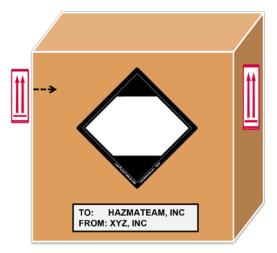
- ETHANOL SOLUTION, UN 1170
- DECLARATION/SHIPPING PAPER: NO (Both EQ & LTD QTY)
- Biological product means a virus, therapeutic serum, toxin, antitoxin, vaccine, blood, blood component or derivative, allergenic product, or analogous product, or arsphenamine or derivative of arsphenamine (or any other trivalent arsenic compound) applicable to the prevention, treatment, or cure of a disease or condition of human beings or animals.
- Biological Products, by themselves, are not regulated for transportation provided the material does not contain a pathogen or meet the definition of any other hazard class.
- When biological products are mixed with ethanol, the solution is a flammable liquid. Ethanol concentrations > 24%, <55% are Hazard Class 3, PG III. Ethanol Concentrations ≥ 55% are Class 3, PG II
- If Dry Ice is added to package, no dry ice hazmat marks required as dry ice is not regulated for ground transport
- Click Here for OSHA Dry Ice; Click here for Bloodborne Pathogen labeling requirements.
- <u>Click Here</u> for ground self-transport exceptions

If inner container of liquid (PG II or PG III) is 30 mL or less, ship as Excepted Quantity (EQ). Total Qty of liquid per package is 500 mL for PG II and 1 liter for PG III.

If inner container of PG II liquid is 1 liter or less, or 1 gallon or less for PG III, ship as Limited Quantity (LTD QTY). Package may not exceed 30 KG (66 LB) gross weight.



Address label optional



Address label optional

© HAZMATEAM, INC.

REFERENCE:

Biological Product 49 CFR 173.134 (a)(2) & 173.134(b)(6)

EQ: 49 CFR 173.4a

LTD QTY: 49 CFR 173.150 (b) & 172.315





Biological Product with Ethanol (VESSEL)

- ETHANOL SOLUTION, UN 1170
- DECLARATION/SHIPPING PAPER: YES (Both EQ & LTD QTY)



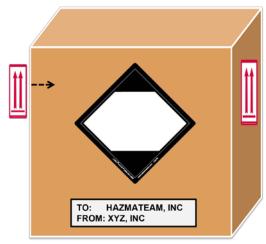
- Biological product means a virus, therapeutic serum, toxin, antitoxin, vaccine, blood, blood component or
 derivative, allergenic product, or analogous product, or arsphenamine or derivative of arsphenamine (or any
 other trivalent arsenic compound) applicable to the prevention, treatment, or cure of a disease or condition of
 human beings or animals.
- Biological Products, by themselves, are not regulated for transportation provided the material does not contain a pathogen or meet the definition of any other hazard class.
- When biological products are mixed with ethanol, the solution is a flammable liquid. Ethanol concentrations > 24%, <55% are Hazard Class 3, PG III. Ethanol Concentrations ≥ 55% are Class 3, PG II
- If Dry Ice is added to package, add <u>Dry Ice marks and labels</u> (click)
- Click Here for OSHA Dry Ice; Click here for Bloodborne Pathogen labeling requirements.
- Click Here for ground self-transport exceptions

If inner container of liquid (PG II or PG III) is 30 mL or less, ship as Excepted Quantity (EQ). Total Qty of liquid per package is 500 mL for PG II and 1 liter for PG III.

If inner container of PG II liquid is 1 liter or less, or 5 liters or less for PG III, ship as Limited Quantity (LTD QTY). Package may not exceed 30 KG (66 LB) gross weight.



Address label optional



Address label optional

© HAZMATEAM, INC.

REFERENCE:

Biological Product IMDG 2.6.3 & 2.6.3.3

EQ: IMDG 3.5 LTD QTY: IMDG 3.4





Biological Product with Ethanol (AIR)

- ETHANOL SOLUTION, UN 1170
- DECLARATION/SHIPPING PAPER: EQ NO; LTD QTY YES
- Biological product means a virus, therapeutic serum, toxin, antitoxin, vaccine, blood, blood component or
 derivative, allergenic product, or analogous product, or arsphenamine or derivative of arsphenamine (or any
 other trivalent arsenic compound) applicable to the prevention, treatment, or cure of a disease or condition of
 human beings or animals.
- Biological Products, by themselves, are not regulated for transportation provided the material does not contain a pathogen or meet the definition of any other hazard class.
- When biological products are mixed with ethanol, the solution is a flammable liquid. Ethanol concentrations > 24%, <55% are Hazard Class 3, PG III. Ethanol Concentrations ≥ 55% are Class 3, PG II
- If Dry Ice is added to package, add <u>Dry Ice marks and labels</u> (click)
- Inner containers must pass 95 kPa pressure test (IATA 5.0.2.9)
- Click Here for OSHA Dry Ice; Click here for Bloodborne Pathogen labeling requirements. .
- <u>Click Here</u> for ground self-transport exceptions

If inner container of liquid (PG II or PG III) is 30 mL or less, ship as Excepted Quantity (EQ). Total Qty of liquid per package is 500 mL for PG II and 1 liter for PG III.

CLASS 3

TO: HAZMATEAM, INC FROM: XYZ, INC

Address label optional

If inner container of PG II liquid is 0.5 liter or less; for PG III in 5L max metal or plastic or 2.5 L max glass, ship as Limited Quantity (LTD QTY). Package may not exceed 30 KG (66 LB) gross weight.



Address label required

© HAZMATEAM, INC.

REFERENCE:

Biological Product IATA 3.6.2.3 EQ: IATA 2.6

LTD QTY: IATA 2.7; PI Y341 & Y344





EXEMPT HUMAN/ANIMAL SPECIMENS



- NO PROPER SHIPPING NAME OR UN NUMBER
- GROUND TRANSPORT
- DECLARATION/SHIPPING PAPER: NO
- Patient specimen means human or animal material collected directly from humans or animals and transported for research, diagnosis, investigational activities, or disease treatment or prevention. Patient specimen includes excreta, secreta, blood and its components, tissue and tissue swabs, body parts, and specimens in transport media (e.g., transwabs, culture media, and blood culture bottles).
- Patient specimens which there is a minimal likelihood that pathogens are present or does not meet the definition or any other hazard class, are not regulated for transportation.
- Click here for Bloodborne Pathogen labeling requirements.
- <u>Click Here</u> for ground self-transport exceptions

TO: HAZMATEAM, INC FROM: XYZ, INC

Address label optional

© HAZMATEAM, INC

REFERENCE:

GROUND: 49 CFR 173.134 (a)(4) & 173.134 (b)





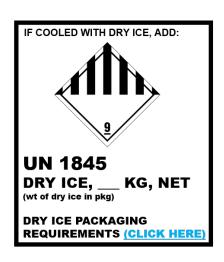
EXEMPT HUMAN/ANIMAL SPECIMENS



- Vessel & Air Transport
- DECLARATION/SHIPPING PAPER: NO
- Patient specimen means human or animal material collected directly from humans or animals and transported for research, diagnosis, investigational activities, or disease treatment or prevention. Patient specimen includes excreta, secreta, blood and its components, tissue and tissue swabs, body parts, and specimens in transport media (e.g., transwabs, culture media, and blood culture bottles).
- Patient specimens which there is a minimal likelihood that pathogens are present or does not meet the definition or any other hazard class, are not regulated for transportation.
- Must "triple package" following references below.
- Click Here for OSHA GHS Labels; Click here for Bloodborne Pathogen labeling requirements.
- Click Here for ground self- transport exceptions







© HAZMATEAM, INC

REFERENCE:

AIR: IATA DGR 3.6.2.1.4 & 3.6.2.2.3.8

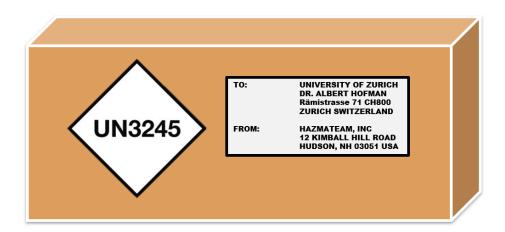
VESSEL: IMDG CODE 2.6.3.1.4 & 2.6.3.2.3.8





Genetically Modified Micro-organism

- Genetically Modified Micro-organism, UN 3245
- AIR AND VESSEL (NOT REGULATED US GROUND)
- DECLARATION/SHIPPING PAPER: NO
- Genetically modified micro-organisms (GMMOs) and genetically modified organisms (GMOs) are microorganisms and organisms in which genetic material has been purposely altered through genetic engineering in a way that does not occur naturally.
- GMMOs do not contain pathogens or meet the definition of any other hazard class.
- Must "triple package" following references below.
- Click Here for OSHA GHS Labels; Click here for Bloodborne Pathogen labeling requirements.





© HAZMATEAM, INC

REFERENCE:

AIR: IATA DGR, 3.9.2.5 & PI 959

VESSEL: IMDG CODE, PI 904, SP 219



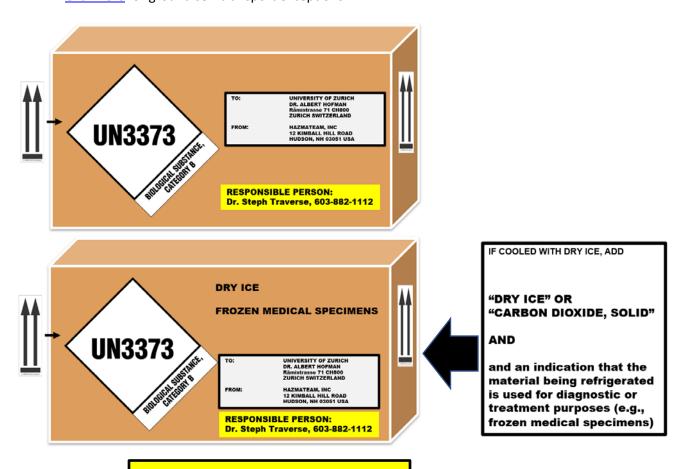




BIOLOGICAL SUBSTANCE, CATEGORY B



- Biological Substance, Category B, UN 3373
- GROUND
- DECLARATION/SHIPPING PAPER: NO
- Inner containers may contain up to 30 mL of Class 3, Class 8, Class 9, or other materials in Packing Groups II and III used to stabilize or prevent degradation of the sample. Such preservatives are not regulated per DOT, 49 CFR 173.199 (a)(9). However, OSHA GHS labels are required
- Orientation arrows not required for primary receptacles filled with solid or primary receptacles filled with liquid not exceeding 50 ml
- Must "triple package" following reference below; Package closure instructions must be available for state and federal inspections
- The name and telephone number of a person must be included on a written document (such as a bill of lading) or on the outer packaging.
- Package testing: All packages must pass 1.2 m (3.9 ft) drop test;
- Click Here for OSHA GHS Labels; Click here for Bloodborne Pathogen labeling requirements.
- Click Here for ground self-transport exceptions



© HAZMATEAM, INC

REFERENCE: GROUND: 49 CFR 173.199

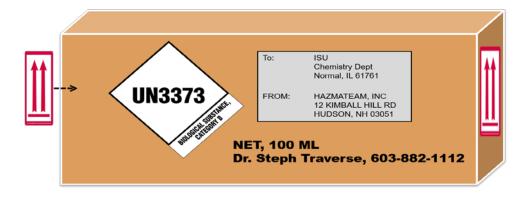




BIOLOGICAL SUBSTANCE, CATEGORY B



- Biological Substance, Category B, UN 3373
- AIR & VESSEL TRANSPORT
- DECLARATION/SHIPPING PAPER: NO
- Orientation arrows not required for primary receptacles filled with solid or primary receptacles filled with liquid not exceeding 50 ml
- Must "triple package" following references below.
- Package closure instructions must be available for state and federal inspections
- The name and telephone number of a person must be included on a written document (such as an air waybill or bill of lading) or on the outer packaging (optional for IMDG shipments)
- Vessel & air transport: Primary or secondary receptacles containing liquid must pass 95 kPa pressure test.
- Inner containers may contain up to 30 mL of Class 3, Class 8, Class 9, or other materials in Packing Groups II and III used to stabilize or prevent degradation of the sample. Such preservatives are not regulated per IATA PI 650 and IMDG PI 650. However, OSHA GHS labels are required
- Click Here for OSHA GHS Labels; Click here for Bloodborne Pathogen labeling requirements.





© HAZMATEAM, INC.

REFERENCE:

AIR: IATA PI 650

VESSEL: IMDG CODE, PI P650



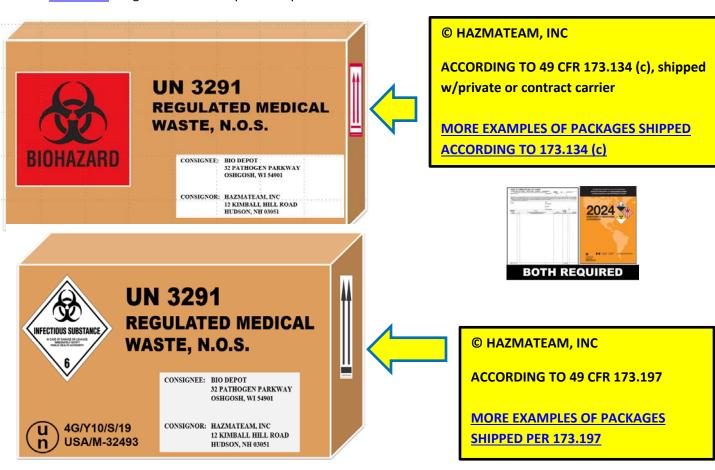




REGULATED MEDICAL WASTE, N.O.S.



- REGULATED MEDICAL WASTE, UN 3291
- Could also use "Clinical waste, unspecified, N.O.S." or "(BIO) Medical waste, N.O.S.", or "Biomedical waste, N.O.S." or "Medical waste, N.O.S."
- GROUND TRANSPORT
- DECLARATION/SHIPPING PAPER & ER INFO (SDS or ERG Page): YES
- Package must not contain Category A pathogens
- Orientation arrows only required on combination packages containing liquid.
- Click Here for OSHA GHS Labels; Click here for Bloodborne Pathogen labeling requirements.
- Click Here for ground self-transport exceptions.













REGULATED MEDICAL WASTE, N.O.S.



- REGULATED MEDICAL WASTE, UN 3291
- GROUND TRANSPORT according to 49 CFR 173.197
- PACKAGE MUST NOT CONTAIN CATEGORY A PATHOGENS
- DECLARATION/SHIPPING PAPER & ER INFO (SDS or ERG Page): YES
- BACK TO REGULATED MEDICAL WASTE, N.O.S.
- Click Here for OSHA Dry Ice; Click here for Bloodborne Pathogen labeling requirements.











REGULATED MEDICAL WASTE, N.O.S. – exception



- REGULATED MEDICAL WASTE, UN 3291
- GROUND TRANSPORT Private or contact carrier (exclusive use vehicle) for Regulated Medical Waste
- DECLARATION/SHIPPING PAPER & ER INFO (SDS or ERG Page): YES
- Package must not contain Category A pathogens
- Follow package closure instruction of sharps container.
- Back to Regulated Medical Waste, N.O.S.
- Click here for Bloodborne Pathogen labeling requirements.
- <u>Click Here</u> for ground self- transport exceptions.



© HAZMATEAM, INC

49 CFR 173.134 (c), 172.301





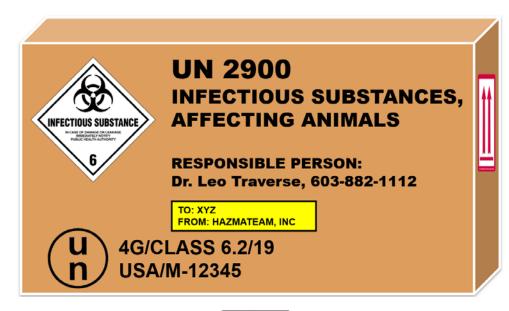






CATEGORY A INFECTIOUS MATERIAL --- AFFECTING ANIMALS ONLY

- INFECTIOUS SUBSTANCES, AFFECTING ANIMALS, UN 2900
- VESSEL TRANSPORT
- DECLARATION/SHIPPING PAPER & ER INFO (SDS or ERG Page): YES
- TECHNICAL NAMES ARE NOT REQUIRED ON PACKAGE MARK, BUT ARE REQUIRED ON SHIPPING PAPERS
- ORIENTATION ARROWS NOT REQUIRED FOR PRIMARY RECEPTACLES FILLED WITH SOLID OR PRIMARY RECEPTACLES FILLED WITH LIQUID NOT EXCEEDING 50 ML
- MUST "TRIPLE PACKAGE" FOLLOWING REFERENCES BELOW. PRIMARY OR SECONDARY PACKAGING MUST PASS 95 KPA PRESSURE TEST.
- Inner containers may contain up to 30 mL of Class 3, Class 8, Class 9, or other materials in Packing Groups II and III used to stabilize or prevent degradation of the sample. Such preservatives are not regulated per IMDG PI 620. However, OSHA GHS labels are required
- Click Here for OSHA GHS Labels; Click here for Bloodborne Pathogen labeling requirements.







© HAZMATEAM, INC

REFERENCE:

GROUND: 49 CFR 173.196, 172.400 VESSEL: IMDG CODE, PI P620





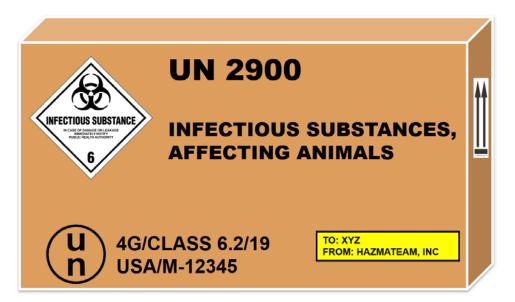




CATEGORY A INFECTIOUS MATERIAL --- AFFECTING ANIMALS ONLY



- INFECTIOUS SUBSTANCES, AFFECTING ANIMALS, UN 2900
- Ground Transport
- For solid medical waste of Category A transported for disposal (UN 3549) see <u>DOT SP 131 & 430</u>.
- DECLARATION/SHIPPING PAPER & ER INFO (SDS or ERG Page): Yes
- Technical names are not required on package mark, but are required on shipping papers
- Orientation arrows not required for primary receptacles filled with solid or primary receptacles filled with liquid not exceeding 50 ml
- Must "triple package" following references below. Primary or secondary packaging must pass 95 kpa pressure test.
- <u>Click Here for OSHA GHS Labels</u>; <u>Click here for Bloodborne Pathogen labeling requirements</u>.





© HAZMATEAM, INC

REFERENCE:

GROUND: 49 CFR 173.196, 172.301, 172.400



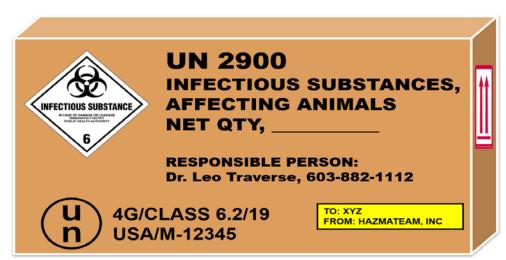






CATEGORY A INFECTIOUS MATERIAL --- AFFECTING ANIMALS ONLY

- INFECTIOUS SUBSTANCES, AFFECTING ANIMALS, UN 2900
- Air Transport
- DECLARATION/SHIPPING PAPER & ER INFO (SDS or ERG Page): YES
- Technical names are not required on package marks, but are required on shipping papers.
- Orientation arrows not required for primary receptacles filled with solid or primary receptacles filled with liquid not exceeding 50 ml
- Must "triple package" following references below. Primary or secondary packaging must pass 95 kpa pressure test.
- Inner containers may contain up to 30 mL of Class 3, Class 8, Class 9, or other materials in Packing Groups II and III used to stabilize or prevent degradation of the sample. Such preservatives are not regulated per IATA PI 620. However, OSHA GHS labels are required
- Click Here for OSHA GHS Labels; Click here for Bloodborne Pathogen labeling requirements.







CONTAINS GREATER THAN

50 ml or 50 g NET (4 L /4 KG MAX)



© HAZMATEAM, INC

REFERENCE

AIR: IATA PI 620 & 7.1.4.1









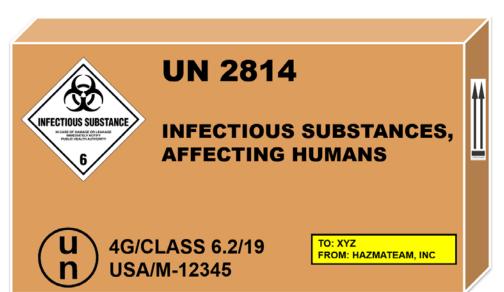




CATEGORY A INFECTIOUS MATERIAL --- AFFECTING HUMANS



- INFECTIOUS SUBSTANCES, AFFECTING HUMANS, UN 2814
- Ground Transport
- For solid medical waste of Category A transported for disposal (UN 3549) see <u>DOT SP 131 & 430</u>.
- DECLARATION/SHIPPING PAPER & ER INFO (SDS or ERG Page): YES
- Technical names are not required on package marks, but are required on shipping papers.
- Orientation arrows not required for primary receptacles filled with solid or primary receptacles filled with liquid not exceeding 50 ml
- Must "triple package" following references below. Primary or secondary packaging must pass 95 kpa pressure test.
- <u>Click Here for OSHA GHS Labels</u>; <u>Click here for Bloodborne Pathogen labeling requirements</u>.





© HAZMATEAM, INC

REFERENCE:

GROUND: 49 CFR 173.196, 172.301, 172.312, 172.400





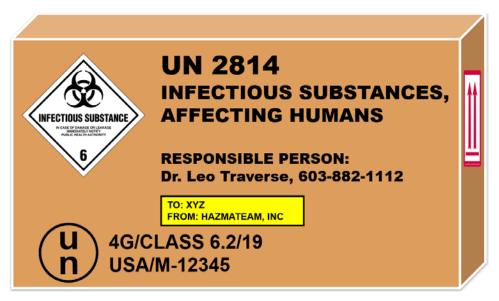






CATEGORY A INFECTIOUS MATERIAL --- AFFECTING HUMANS

- INFECTIOUS SUBSTANCES, AFFECTING HUMANS, UN 2814
- VESSEL TRANSPORT
- DECLARATION/SHIPPING PAPER & ER INFO (SDS or ERG Page): YES
- Technical names are not required on package marks, but are required on shipping papers.
- Orientation arrows not required for primary receptacles filled with solid or primary receptacles filled with liquid not exceeding 50 ml
- Must "triple package" following references below. Primary or secondary packaging must pass 95 kpa pressure test.
- Inner containers may contain up to 30 mL of Class 3, Class 8, Class 9, or other materials in Packing Groups II and III used to stabilize or prevent degradation of the sample. Such preservatives are not regulated per IMDG PI 620. However, OSHA GHS labels are required
- <u>Click Here for OSHA GHS Labels</u>; <u>Click here for Bloodborne Pathogen labeling requirements</u>.







© HAZMATEAM, INC

REFERENCE:

VESSEL: IMDG CODE, PI P620





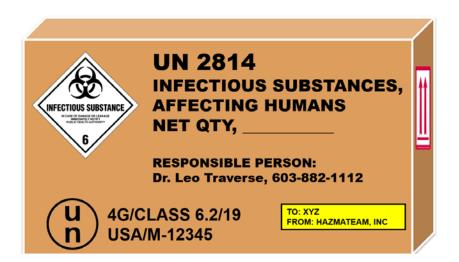






CATEGORY A INFECTIOUS MATERIAL --- AFFECTING HUMANS

- INFECTIOUS SUBSTANCES, AFFECTING ANIMALS, UN 2814
- AIR TRANSPORT
- DECLARATION/SHIPPING PAPER & ER INFO (SDS or ERG Page): YES
- TECHNICAL NAMES ARE NOT REQUIRED ON PACKAGE MARK, BUT ARE REQUIRED ON SHIPPING PAPERS
- ORIENTATION ARROWS NOT REQUIRED FOR PRIMARY RECEPTACLES FILLED WITH SOLID OR PRIMARY RECEPTACLES FILLED WITH LIQUID NOT EXCEEDING 50 ML
- MUST "TRIPLE PACKAGE" FOLLOWING REFERENCES BELOW. PRIMARY OR SECONDARY PACKAGING MUST PASS 95 KPA PRESSURE TEST.
- Inner containers may contain up to 30 mL of Class 3, Class 8, Class 9, or other materials in Packing Groups II and III used to stabilize or prevent degradation of the sample. Such preservatives are not regulated per IATA PI 620. However, OSHA GHS labels are required
- Click Here for OSHA GHS Labels; Click here for Bloodborne Pathogen labeling requirements.





© HAZMATEAM, INC

<u>REFERENCE</u>

AIR: IATA PI 620 & 7.1.4.1





ADD THIS LABEL IF PACKAGE CONTAINS GREATER THAN 50 ml or 50 g NET (4 L /4 KG MAX)













SHIPPING PAPER/DECLARATION EXAMPLES

The following are examples of completed shipping papers/declarations. Always consult the appropriate regulation for complete details:

USA Ground: 49 CFR 172.200 (CLICK)

International vessel: IMDG Code, Volume 1, Chapter 5.4

International air: IATA DGR, Section 8.

EXAMPLE #	MODE	CONSIGNMENT
1 (click)	Ground	UN 2900, Infectious substances, affecting animals
2 (click)	Ground	UN 2814, Infectious substances, affecting humans
3 (click)	Ground	UN 3291, Regulated medical waste, n.o.s.
4 (click)	Vessel	UN 2900, Infectious substances, affecting animals
5 (click)	Vessel	UN 2814, Infectious substances, affecting humans cooled with dry ice
6 (click)	Air	UN 2900, Infectious substances, affecting animals; cargo aircraft only
7 (click)	Air	UN 2814, Infectious substances, affecting humans cooled with dry ice
8 (click)	Air	UN 1170, Ethanol mixed with Biological Product, cooled with dry ice
9 (click)	Ground	UN 1170, Ethanol mixed with Biological Product, cooled with dry ice & UN 1198, Formaldehyde Solution, Flammable mixed with Biological Product
<u>10 (click)</u>	Ground	UN 2814, Infectious Substance Affecting Humans, shipped per special permit SP-16279





EXAMPLE 1

 1 FIBREBOARD BOX of a category A infectious substance affecting only animals; of UN 2900. Box contains 1 liter net infectious liquid; Box weighs 20 LB, GROSS; GROUND SHIPMENT

Page 1 of	1	. –	(Name o	of carner)	(SCAC	C)	Date_	13-MA	RCH-2021
	, INC	" must appear before consignee's name or a	is otherwise provided in Item 430. Sec. 1	12 KI	MATEA MBALL				
Street 1 MA	AIN S	TREET		Street 12 KII	VIDALL			Zıp Code	03051
City OMAHA	4	State NE	_{Zip Code} 72111	24 hr. Emergency Conta	80 80		5-5053; IE		
Route				24 nr. Emergency Conta	act lei. No.		Vehicle Numbe		7
No of Units & Container Type	НМ	Identification Numb	BASIC DESCRIPTON Proper Shipping Name, Hazard Class, er (UN or NA), Packing Group, per 172 101.	, 172 202, 172 203	TOTAL QUA (Weight, Vo Gallons, e	olume,	WEIGHT (Subject to Correction)	RATE	CHARGES For Carner Use Only)
1 BOX (4G)	Χ	UN 2900,	Infectious Substa	ances,	1 LITER	(NET)			
	介	Affecting Ar	nimals (Rinderpes	t virus), 6.2	20 LB (G	ROSS)			
	 	ERG GUIE	DE 158	TOT	AL QT	CA	N BE		
	- - - -	COLUMN IF F	IAZARDOUS		OR GF	-			
		PAR	TECHNICAL NAME ENTHESES FOLLOW PPING NAME		₹	ER F	SING 3 ^{RI} PHONE S LUDE CO MBER	ERVI	CE,
Note – (1) Where the rat specifically in writing the a sgreed or declared value of se not exceeding. 2) Where the applicable it absent a release or a value he carrier's liability or decla stowded by such provisions 3)Commodities requiring s must be so marked and parties.	te is depending the property per anff provision declaration bure a value the pecual or addickaged as to Freight Bills	nnt on value shippeers are require lared value of the property, as folions is shereby specifically stated by the is specify a limitation of the carnies, the shipper and the shipper does no carnier's lability shall be limited to litem 172. thoral care or attention in handling ensure safe transportation. See se and Statements of Charges and Se	ows "The consignment are fully and accurately shipper to make fully shipper to make and are classified, packaged marked and labellediplacarded, and are in all respects in proper condition for transport according to applicable in all respects in proper condition for its fully shipper to a consideration and an advantage of the consideration and accurately an accurately and accurately an accurately and accurately an accurately and accurately an accurately and accurately accurately and accurately and accurately and accurately and accurately and accurately accurately and accurately accurately and accurately accur	COD Subject to Section 7 of the corconsignee without recourse or tolknesson statement	n the consignor,		COD FE PREPAID INED PE NATURE		N'S







EXAMPLE 2

• 2 boxes of Category A infectious materials that affect humans. Each box contains 750 ml of infectious liquid. Each box weighs 13 KG; GROUND SHIPMENT

Page of	(Name o	f carner)	(SCAC)	Da	_{te} _13-M	AR-2021
n Collect on Delivery shipments the letters *Co Consignee XYZ, INC	DO" must appear before consignee's name or as otherwise provided in literi 430. Sec. 1		MATEAM, I MBALL HILL			
treet 1 MAIN S	STREET	City HUDSON		State NH	Zıp Code	03051
OMAHA	State NE Zip Code 72111	24 hr. Emergency Conta	act Tel. No. 800-53	35-5053;		
loute		, com		<u> </u>	cle liber	
No of Units & Container Type	BASIC DESCRIPTON Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172 101,	172 202, 172 203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGH (Subject Correct)	RATE	CHARGES (For Carner Use Only)
2 BOX (4G) X	UN 2814, Infectious Substa	ances,	1.5 LITER (NET)			
	Affecting Humans (variola v	rirus), 6.2	26 LB (GROSS)			
	1		1			
	ERG GUIDE 158	TOTAL (QTY OF ALI			
			GES, CAN B			
		NET OR			\top	
'X' IN HM COI	LUMN IF HAZARDOUS				+	
	ADD TECHNICAL NAME IN		IF USIN	G 3 RD F	PARTY	
	PARENTHESES FOLLOWING	PROPER	ER PHO	NE SEI	RVICE,	_
	— SHIPPING NAME	_	- INCLUE	DE CON	TRAC	<mark></mark>
			<mark>NUMB</mark>	ER		
	<u> </u>					
Note – (1) Where the rate is depen pecifically in writing the agreed or di greed or declared value of the proper	dent on value shippeers are required to state colored value of the property, as follows. The consignment are fully and accurately is shereby specifically stated by the shipper to	REMIT C O D TO ADDRESS			D FEE	
bsent a release or a value declaration ne carrier's liability or declare a value	ons specify a limitation of the carrier's liability marked and labelled/placarded, and are by the shipper and the shipper does not release in all respects in proper condition for the carrier's liability shall be limited to the extent transport according to applicable			100	PAID	
nust be so marked and packaged as	Idditional care or attention in handling or stowing regulations to ensure safe transportation. See section 2(e) is and Statements of Charges and Section 1(a)	following statement The carrier shall not make of	SIGNAT		JON 3	S charges ire to be collect
DEDENIER - 1						







EXAMPLE 3

Medical Waste Manifest form – No specific format. Many forms have the fill in the blank format as below. Note UN 3291 does not require technical names in parentheses following proper shipping name. This waste does <u>not</u> contain Category A pathogens. This shipment consists of 11 X 4 cubic ft tubs and 6 x 4 cubic ft boxes. GROUND SHIPMENT

MEDICAL WASTE MAN	IFEST		cy Response Te		
Generator's Name, Address a	and Telephone Number		1	<u> </u>	
St. Joes Hospital 1 Main Street Yourtown, NY 10001	800-XXX-XXXX		3 RD PARTY ER F INCLUDE CONT		
2A. DESCRIPTION OF WASTE	2B CONTAINER TYPE	2C. NO. OF CONTAINERS	2D. VOLUME		
UN 3291, Regulated Medical Waste, N.O.S., 6.2, PG II UN 3291, Regulated Medical Waste, N.O.S., 6.2, PG II	TB01 – Reusable tub (4.0 cu ft) HW03 – Reusable tub (5.8 cu ft)	11	44	Cu ft	NO. OF CONTAINERS
UN 3291, Regulated Medical Waste, N.O.S., 6.2, PG II UN 3291, Regulated Medical Waste, N.O.S., 6.2, PG II	WW40 – Corrugated box (4.0 cu ft) WW45 – Corrugated box (4.5 cu ft)	6	24	Cu ft	& TOTAL QTY
TOTALS		17	66	Cu ft	
	s is to certify that the above-named and are in proper condition for trans				DEDCONIC
	and are in proper condition for trans Transportation." Signature: Wike Troo	sportation according			PERSON'S SIGNATURE
packaged, marked and labeled, a regulations of the Department of Printed Name: Mike Trout	and are in proper condition for trans Transportation." Signature: Wike Troo	sportation according	g to the applicable		
packaged, marked and labeled, a regulations of the Department of Printed Name: Mike Trout Transporter Name, Address a Acme Medical Waste Trans 12 Bluff Blvd	and are in proper condition for trans Transportation." Signature: Wike Track and Telephone 888-XXX-XXXX eipt of Medical Waste above	sportation according	g to the applicable		
packaged, marked and labeled, a regulations of the Department of Printed Name: Mike Trout Transporter Name, Address at Acme Medical Waste Trans 12 Bluff Blvd Buffalo, NY 14201	and are in proper condition for trans Transportation." Signature: Mike Trock and Telephone 888-XXX-XXX	sportation according	g to the applicable	N-2021	
packaged, marked and labeled, a regulations of the Department of Printed Name: Mike Trout Transporter Name, Address at Acme Medical Waste Trans 12 Bluff Blvd Buffalo, NY 14201 Transporter Certification: Rec	and are in proper condition for trans Transportation." Signature: Wike Trace and Telephone 888-XXX-XXXX eipt of Medical Waste above Signature: C, Fisk	sportation according	Date: 10-JA	N-2021	
packaged, marked and labeled, a regulations of the Department of Printed Name: Mike Trout Transporter Name, Address at Acme Medical Waste Trans 12 Bluff Blvd Buffalo, NY 14201 Transporter Certification: Reconstruction Printed Name: Carlton Fisk Designated Facility Name, Address at Acme Medical Waste Trans 12 Bluff Blvd Buffalo, NY 14201 Transporter Certification: Reconstruction Printed Name; Carlton Fisk Designated Facility Name, Address at Acme Medical Waste Trans Printed Name: Carlton Fisk Designated Facility Name, Address at Acme Medical Waste Trans Printed Name: Carlton Fisk Designated Facility Name, Address at Acme Medical Waste Trans Printed Name: Carlton Fisk Designated Facility Name, Address at Acme Medical Waste Trans	Signature: Wike Troe and Telephone 888-XXX-XXXX eipt of Medical Waste above Signature: C, Fisk Idress and Telephone	exportation according	Date: 10-JA	N-2021	
packaged, marked and labeled, a regulations of the Department of Printed Name: Mike Trout Transporter Name, Address at Acme Medical Waste Trans 12 Bluff Blvd Buffalo, NY 14201 Transporter Certification: Reconstruction Fisk Designated Facility Name, Address at Acme Medical Waste Trans 12 Bluff Blvd Buffalo, NY 14201 Transporter Certification: Reconstruction Fisk Designated Facility Name, Address at Acme Medical Waste Trans Printed Name: Carlton Fisk Designated Facility Name, Address at Acme Medical Waste Trans Printed Name: Carlton Fisk Transporter Certification: Reconstruction Fisk Designated Facility Name, Address at Acme Medical Waste Trans Printed Name: Carlton Fisk Transporter Certification: Reconstruction Fisk Designated Facility Name, Address at Acme Medical Waste Trans	Signature: Wike Troc and Telephone 888-XXX-XXX eipt of Medical Waste above Signature: C, Fish	agency to accept unt	Date: 10-JA Date: 10-JA	N-2021 N-2021	







VESSEL SHIPMENT OF CATEGORY A INFECTIOUS MATERIALS AFFECTING ANIMALS ONLY, UN 2900. EACH PACKAGE CONTAINS 1 LITER OF INFECTIOUS LIQUID; GROSS WT = 6 KG

	MULTIMODA	L DANGERO	US GC	ODS	FORM	
1 Shipper/Consignor/Sender		2 Transport document numb	er			
HAZMATEAM, INC 12 KIMBALL HILL ROAD HUDSON NH 03051 USA Responsible Person: Leo Tr	averse MD 603.882.1112	INFECTIOU RESPONSI			PHONE (OF
	averse, mb ood ook 111k	7 Carrier				
6 Consignee HAZMATEAM - JAMAICA 21 RASTA WAY KINGSTON JAMAICA		F USING 3 RD PAR	TV ED DU	ONE SI	EDVICE	
10 Vessel	11 Dot of loading				LICVICE,	
	-20 300200000000000000000000000000000000	Ty the Proper Snipping Name are in all respects in proper of	and are classification are crassification for tran	ев, раска		described below peried/placarded and able international and
OUTSIDE USA, PHO	NF # TO	national government regulation 9 Additional handling instruct			<u> </u>	
INCLUDE INT'L ACC	ESS CODE,	24 HR ER - INFOTRAC		23-3500; C	ontract ID - 1	23S3B
14 Shipping marks	") Number and kind of package	s: description of goods	Gro	ss mass (kg)	Net	Cube (m ²)
IMDG EMS – COLUMN 15 OF DGL	UN 2900, INFECT AFFECTING ANIN VIRUS), 6.2,		=8,	2 KG	2 L	
DOT ERG – 'ORANGE BOOK' CODE	EMS: F-A, S-T; DO 2 (4G) FIBREBOA		BOX	(22)	ALWAY	rs.
PACKAGE			DEC	HIDE	· C A	
			REC	UIRE	:5 A	
CODES			SIG	NATL	JRE BY	*
(EX – 4G) OPTIONAL				INEC		
			SHI	PPER		
15 Container identification No./	16 Seal number(s)	17 Cont./vehicle size & type	18 Tare mass	(kg) 19 T	otal gross mass	(including tare) (kg)
CONTAINER/VEHICLE PACKING I hereby declare that the good- packed/loaded, packed togethe identified above in accordance with MUST BE COMPLETED AND SI VEHICLE LOADS BY PERSON R	s described above have been ir, into the container/vehicle the applicable provisions.") GNED FOR ALL CONTAINER/	21 RECEIVING ORGANIZATE Received the above number unless stated hereon: RECEI	of packages/con	tainers/trailer ATION REM	s in apparent go ARKS:	ood order and condition
LOADING 20 Name of company		Haulier's name		22 Nam	e of co. of shipp	er preparing this note
		Vehicle reg. no		130905080	ATEAM	
Name/status of declarant		Signature and date		2.7	atus of declaran	
Place and date					on, NH, 13-	MARCH-2021
Signature of declarant		Driver's signature			e of declarant Traver	se







VESSEL SHIPMENT OF CATEGORY A INFECTIOUS MATERIALS AFFECTING HUMANS COOLED W/ DRY ICE. PACKAGE CONTAINS 1 LITER OF INFECTIOUS LIQUID & 5 KG OF DRY ICE; GROSS WT = 10 KG

Shipper/Consignor/Sender 2 Transport document number HAZMATEAM, INC **INFECTIOUS – NAME AND PHONE OF** 12 KIMBALL HILL ROAD **RESPONSIBLE PERSON HUDSON NH 03051 USA** reignt forwarder's reference Responsible Person: A. Fauci, MD 603-882-1112 6 Consignee 7 Carrier HAZMATEAM - JAMAICA 21 RASTA WAY KINGSTON JAMAICA IF USING 3RD PARTY ER PHONE SERVICE, **INCLUDE CONTRACT NUMBER** 10 Vessel 11 Port of loading I hereby declare that the contents of this consignment are fully and accurately described below ty the Proper Shipping Name, and are classified, packag are in all respects in proper condition for transport according to the applicable international and national government regulations. 9 Additional handling instructions **OUTSIDE USA, PHONE # TO** INCLUDE INT'L ACCESS CODE, 24 HR ER - INFOTRAC 1-011-352-323-3500; Contract ID - 123S3B **COUNTRY CODE, ETC..** 14 Shipping marks *) Number and kind of packages: description of goods Gross mass (kg) Net Cube (m³) UN 2814, INFECTIOUS SUBSTANCES, IMDG EMS -AFFECTING HUMANS (SABIA VIRUS), 6.2, **COLUMN 15** OF DGL EMS: F-A, S-T, DOT ERG 158 DOT ERG -5 KG UN 1845, DRY ICE, 9, **'ORANGE** EMS: F-C, S-V, DOT ERG 120 **BOOK' CODE** 10 KG ABOVE PACKED IN ONE FIBREBOARD BOX **BOX 22 ALWAYS REQUIRES A** SIGN BOX 20 ONLY IF 18 Tare SIGNATURE BY 15 Contai ont. Nehicle size & type LOADING FREIGHT CTN TRAINED SHIPPER CONTAINER/VEHICLE PACKING CERTIFICATE 21 RECEIVING ORGANIZATION RECEI I hereby declare that the goods described above have been packed/loaded, packed together, into the container/vehicle identified above in accordance with the applicable provisions.**) Received the above number of packages/containers/trailers in apparent good order and conditionaless stated hereon: RECEIVING ORGANIZATION REMARKS: MUST BE COMPLETED AND SIGNED FOR ALL CONTAINER/ VEHICLE LOADS BY PERSON RESPONSIBLE FOR PACKING/ LOADING 20 Name of company Haulier's name 22 Name of co. of shipper preparing this note **HAZMATEAM** Name/status of declarant Signature and date A. Fauci, Shipper Place and date Hudson, NH, 13-MARCH-2021 Signature of declarant Signature of declarant Driver's signature Anthony Fauci, MD

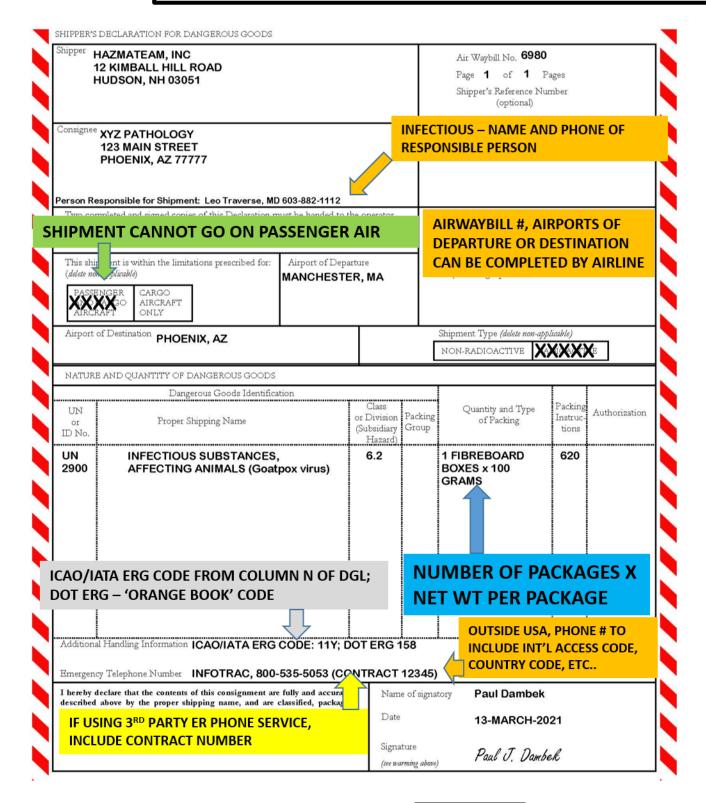
MULTIMODAL DANGEROUS GOODS FORM







AIR SHIPMENT OF ONE PACKAGE OF CATEGORY A INFECTIOUS MATERIALS AFFECTING ANIMALS ONLY. MUST GO CARGO AIRCRAFT ONLY AS THE 50 GRAM PASSENGER LIMIT IS EXCEEDED.









AIR SHIPMENT OF A PACKAGE CONTAINING 10 ML OF CATEGORY A INFECTIOUS MATERIALS AFFECTING HUMANS (UN 2814) PLUS 10 KG OF DRY ICE.

ipper H	AZMATEAM, INC			\top	A:- TVI1-11 NT - 609	n		
	2 KIMBALL HILL ROAD				Air Waybill No. 698			
	UDSON, NH 03051				Page 1 of 1			
					Shipper's Reference N (optional)	umber		
un ni ara a s			— INF	ECTIO	US – NAME AND PH	ONE OF		
	XYZ PATHOLOGY 123 MAIN STREET		RES	PONS	IBLE PERSON			
	PHOENIX, AZ 77777							
					AIRWAYBILL #, AIRPORTS OF			
Person Responsible for Shipment: Dr. Leo Traverse, 603-882-1112					DEPARTURE OR DE			
	pleted and signed copies of this Declaration t				CAN BE COMPLETE	D BY		
TD 43	SHIPMENT OK FOR PA	SSENGER A	AIR	-	Failure to comply in	all respects with the		
TRAN	10 5 - 4 - 10 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	A1		\dashv	applicable Dangerous	Goods Regulations		
Γhis ship (<i>delete non</i>	mer s within the limitations prescribed for:	Airport of Depar			may be in breach of th ject to legal penalties.	e applicable law, sub-		
PASSE	NGER CARGO		.,					
AND C								
Airport o	f Destination PHOENIX AZ		Т		Shipment Type (delete non-a)	pplicable)		
	PHOENIX, AZ			Γ		(XXXX		
I ATT ID TO	AND OUR NAMED OF DANGEBOUR COORS	2)						
NATURE	AND QUANTITY OF DANGEROUS GOODS Dangerous Goods Identific					 		
UN	Daigerous Cooks Identific	T	Class	D- 31	Quantity and Type	Packing Authorization		
or O No.	Proper Shipping Name		or Division (Subsidiary		of Packing	Instruc-		
	WEEGTIOUS SUBSTITUTE		Hazard)		40.00			
JN 814	INFECTIOUS SUBSTANCES AFFECTING HUMANS (Lass	The same and the s	6.2		10 ML	620		
	AND IN SECURE OF STREET, STREE							
IN .	DRYICE		9		10 KG	954		
845					ABOVE PACKED IN	(
: ICAO/	IATA ERG CODE FROM COLUM	IN N OF DGI :			ONE FIBREBOARD			
	RG – 'ORANGE BOOK' CODE				вох			
I			DF	RY ICE	AND UN 2814	IN SAME PKG		
ı		₹						
dditional	Handling Information UN 2814 ICAO/I	ATA ERG COD	F: 11V · D	OT FR	j G 158	LL		
	UN 1845 ICAO/I							
mergenc	Telephone Number INFOTRAC, 800	-535-5053 (CO	NTRACT	X22YZ				
	eclare that the contents of this consignment an above by the proper shipping name, and are	and the second s	Nam	e of signa	tory Steph Traver	rse,		
			Date		42 MAROU O	024		
95	JSING 3 ^{KD} PARTY ER PHONE SI	ERVICE.	Date		13-WARCH-2	.021		
an IF U	JSING 3 RD PARTY ER PHONE SI CLUDE CONTRACT NUMBER;	ERVICE,	Signa		13-MARCH-2	.021		







• DECLARATION DESCRIBING 3 PLASTIC BOTTLES EACH FILLED WITH 5 LITERS OF BIOLOGICAL PRODUCT AND ETHANOL. BOTTLES PLACED IN A BED OF DRY ICE. MUST BE SHIPPED CARGO AIRCRAFT ONLY AS THE PASSENGER LIMITS EXCEEDED

1	HAZMATEAM, INC 12 KIMBALL HILL ROAD HUDSON, NH 03051		Air Waybill No. Page 1 of 1 Pages Shipper's Reference Number (optional)		
Consignee	PATHOGENS 'R US 173134 Pox Road San Diego, CA 90114				
	ponsible for Shipment: mpleted and signed copies of this Declaration must be	handed to the operato		WARNING	
TRAN This ship	ISPORT DETAILS Ipment is within the limitations prescribed for: Airmapplicable CARGO AIRCRAFT ONLY ONLY ONLY AIRCRAFT	port of Departure AIRCRAFT ON ENGER PKG LI	ILY –	Failure to comply in a applicable Dangerous may be in breach of the to legal penalties.	Goods Regulations
Airport	of Destination	EXCEEDED		Snipment Type (delete non-ap	plicable)
					XXXX
NATUR	E AND QUANTITY OF DANGEROUS GOODS				
	Dangerous Goods Identification				
UN or ID No.	Proper Shipping Name	Class or Divisio (Subsidiar Hazard)		Quantity and Type of Packing	Packing Inst Authorization
N 170	ETHANOL SOLUTION	3	п	15 LITERS	364
JN 845	DRY ICE	9 BOTTLES		25 KG ALL PACKED IN	954
CO	NTAINING 5 LITERS OF ETHANO LOGICAL PRODUCT. BOTTLES	PLACED IN	Ι.	ONE FIBREBOARD BOX	
BIO	TICE SEE BINI NGICKI BOND	нст		TRAINER	PERSON'S
BIO DRY	(ICE. SEE BIOLOGICAL PROD FINITION		┦		ATURE
BIO DRY DEF	FINITION	Į			
BIO DRY DEF	FINITION	CAO ER 3L	ER		
BIO DRY DEF	al Handling Information DOT ERG 127; IATA/I al Handling Information DOT ERG 127; IATA/I are Telephone Number 800-535-5053; ID 12345 declare that the contents of this consignment are fully I above by the proper shipping name, and are classifi and labelled/placarded, and are in all respects in prope according to the applicable international and national ans. I declare that all of the applicable air transport requ	and accurately ied, packaged, r condition for governmental irements have	ER ame of Sig	SIGNA INFO	ATURE







- 1 PACKAGE OF BIOLOGICAL PRODUCT MIXED WITH ETHANOL COOLED WITH DRY ICE
- 1 PACKAGE OF BIOLOGICAL PRODUCT MIXED WITH FORMALDEHYDE

i	Page 1 of	. 1				Date _	9-Jun	e-2025	
			- (Name o	of carner)	(SCAC)				
			" must appear before consignee's name or as otherwise provided in Item 430. Sec. 1	FROM: HAZ					
	Consignee DIO		D SHOPPE	Street 12 KIMBALL HILL ROAD					
	Street 20 TORRICE DRIVE			City HUDSON State NH Zip Code 03051				03051	
	City PACIFICA State CA Zip Code 90154				24 hr. Emergency Contact Tel. No. 800-535-5053 ID 12345				
	Route			24-HR ER Phone # with 3rd PARTY ID					
	No of Units & Container Type	нм	BASIC DESCRIPTON Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172 101,	, 172 202, 172 203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carner Use Only)	
	1 BOX	Х	UN1170, Ethanol solution, 3	3, PG II,	10 liters				
			overpacked in dry ice, GUI	DE 127					
	BIOLOGICAL PRODUCT IN ETHANOL, COOLED WITH DRY ICE. • Biological product material is exempt (See Biological Product definition) • Ethanol is in an amount that does not qualify for exceptions (ex, EQ, LTD QTY) • Dry Ice is non-regulated for ground transport, optional to identify on a shipping paper					aper			
	1 BOX	X	UN 1198, Formaldehyde solution	n, flammable	15 liters				
			3(8), PG III, ERG GUIDE 1	32					
	BIOLOGICAL PRODUCT IN FORMALDEHYDE. Biological product material is exempt (See Biological Product definition) Formaldehyde is in an amount that does not qualify for exceptions (ex, EQ, LTD QTY)						ID QTY)		
			LUMN WHEN RDOUS						
			TRAINED PERSON'S SIG	NATURE					
	Note – (1) Where the rat specifically in writing the a agreed or declared value of be not exceeding(2) Where the applicable to absent a release or a value the carner's lability or declar provided by such provisions (3)Commodities requiring is must be so marked and be must be so marked and be	te is depende igreed or ded the property per ariff provision declaration by are a value th s See NMFC pecial or add dekaged as to , Freight Bills	ational care or attention in handling or stowing regulations ensure safe transportation. See section 2(e) and Statements of Charges and Section 1(a).	Subject to Section 7 of the co- consignee without recourse of following statement. The carrier shall not make it freight and all other lewful of	Amt S inditions, if this shipment is to be de- port the consignor, the consignor to delivery of this shipment without arges.	shall sign the CHARGE	S: \$	RGES total of charges are to be collect	







- INFECTIOUS MATERIAL (E-BOLA) SHIPPED ACCORDING TO EMERGENCY SPECIAL PERMIT
- For special permit, see https://www.phmsa.dot.gov/hazmat/documents/offer/SP16279.pdf/2020094405/SP16279

		"must appear before consignee's name or as otherwise D SHOPPE	provided in Item 430 Sec 1	FROM: HAZ	MATEAM,	INC		
nsignee				Street 12 KI	MBALL HIL	L ROAD)	
eet		RICE DRIVE		City HUDSON	l .	State NH	Zıp Code	03051
, PACIFI	CA	State CA	Zip Code 90154	24 hr. Emergency Conta	800-53	35-5053;	ID 123	45
ute				2	4-HR ER Phoi	ne # with 3	rd PAR1	Y ID
No of Units & Container Type	нм		BASIC DESCRIPTON er Shipping Name, Hazard Class, or NA), Packing Group, per 172 101	, 172 202, 172 203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carner Use Only)
OLYETHYLENE BAG	Χ	UN 2814, Infectiou	us Substance Affe	cting Humans	200 LB			
		(E-bola), 6.2						
		SP-16279, EF	RG GUIDE 15	8				
		INFECTIOUS MAT PERMIT SP-16279 ALTERNATIVE PA		PHMSA. THIS	SPECIAL PER	RMIT ALLO	ows	
	1	PERMIT SP-16279	ISSUED BY DOT	PHMSA. THIS	SPECIAL PER	RMIT ALLO	ows	
	1	PERMIT SP-16279	ISSUED BY DOT	PHMSA. THIS	SPECIAL PER	RMIT ALLO	ows	
	COLUZARI	PERMIT SP-16279 ALTERNATIVE PA	ISSUED BY DOT	PHMSA. THIS	SPECIAL PER	RMIT ALLO	ows	
		PERMIT SP-16279 ALTERNATIVE PA	ISSUED BY DOT	PHMSA. THIS THOSE DESCR	SPECIAL PER RIBED IN 49 CI	RMIT ALLO	ows	
HA	ZARE	PERMIT SP-16279 ALTERNATIVE PA	SON'S SIGNATUR	PHMSA. THIS THOSE DESCR E; MUST ALSO S OF SP-16279	SPECIAL PER RIBED IN 49 CI	RMIT ALLO	ows	
PLACAR PLACAR Ote - (1) Where the rat clically in writing the a; age of or declared value of not exceeding. Where the applicable to	RDS TEL e is depending or decidence of the property por anift provision.	PERMIT SP-16279 ALTERNATIVE PA DIMN WHEN DOUS TRAINED PERS NDERED: YES NO and on value shippeers are required to state lared value of the property, as follows "The is hereby sporting any state of the property, as follows "The is hereby sporting any state of the property, as follows "The is hereby sporting any state of the property, as follows "The is hereby sporting any state of the property as follows "The is hereby sporting any state of the property as follows "The is hereby sporting any state of the property as follows "The is hereby sporting any state of the property and	SON'S SIGNATUR REQUIREMENT Thereby declar clessroperat by name and a marked and significant described in the contents of the	E; MUST ALSO S OF SP-16279	SPECIAL PER RIBED IN 49 CI	RMIT ALLO	OWS S	







EXCEPTIONS FOR SELF-TRANSPORT

There are two exceptions in 49 CFR that allows for the self-transport of certain biological materials without having to comply with the Hazardous Materials Regulations in its entirety. Refer to citations below for full details. The HAZMATEAM online Transportation of Infectious Materials Training course addressed these exceptions.

These exceptions are limited to Motor Vehicle (ground) only and are not for Category A infectious materials!

1) 49 CFR 173.134 (b)(10)

- Infectious substances (including Category B) contained in *a patient sample* being transported for research, diagnosis, investigational activities, or disease treatment or prevention, or a biological product *are not regulated by 49 CFR* when transported ground via private or contract carrier used exclusively to ship these materials. Cannot ship Category A per this exception.
- This exception may not be applied to Regulated Medical Waste

2) 49 CFR 173.6 --- MATERIAL OF TRADE EXCEPTION (MOT)

The following may be shipped as a Material of Trade (as defined in 49 CFR 171.8):

A Division 6.2 material (incl. Category B) contained in **human or animal samples** (including, but not limited to, secreta, excreta, blood and its components, tissue and tissue fluids, and body parts) being transported for research, diagnosis, investigational activities, or disease treatment or prevention, or is a biological product or regulated medical waste.

Infectious (other than Category A) Material of Trade requirements:

- Regulated Medical Waste may be shipped according to this exception
- Transported via private carrier in conjunction with its principal business (ex, mobile test lab).
- The material must be contained in a combination packaging (inners ctns. inside outer pkg).
- For liquids, outer package must be leakproof and contain enough absorbent material to absorb all contents.
- For sharps, the sharps container (inner ctn) must be constructed of a rigid material resistant to punctures and securely closed to prevent leaks or punctures.
- The outer packaging must be a strong, tight packaging securely closed and for sharps: puncture resistant.
- Each package must be marked with a common name. Package limits:
 - Each package may not contain more than 0.5 kg (1.1 lbs) or 0.5 L (17 ounces), and an outer packaging containing not more than 4 kg (8.8 lbs) or 4 L (1 gallon); or
 - A single inner packaging containing not more than 16 kg (35.2 lbs) or 16 L (4.2 gallons) in a single outer packaging
 - o **For a regulated medical waste**: a combination packaging must consist of one or more inner packagings, each of which may not contain more than 4 kg (8.8 lbs) or 4 L (1 gallon), and an outer packaging containing not more than 16 kg (35.2 lbs) or 16 L (4.2 gallons).
- Total of 440 lbs gross weight of all MOT per vehicle.





DRY ICE

Dry Ice is Carbon Dioxide, Solid. There are three important hazards to remember while handling Dry Ice:

- 1) **Asphyxiation.** Dry ice, or Carbon Dioxide, solid, sublimates to form Carbon Dioxide gas (heavier than air). Handling and storage locations must be well ventilated. There have been numerous reports of fatalities of individuals suffocating in poorly ventilated Dry Ice storage areas.
- 2) **Contact Hazard.** Dry ice is a cryogenic material that causes severe frostbite upon contact with skin. The temperature of Dry Ice is -79 °C (-107 °F).
- 3) **Explosion Hazard.** Dry Ice has an expansion ratio of 1:554. As such, packages need to be designed to prevent the build-up of Carbon Dioxide gas.

When assembling a package containing Dry Ice, consider the following safety/packaging procedures:

- Always handle dry ice in a well-ventilated area.
- Wear eye/face protection and cryogenic gloves when handling dry ice.
- Never seal dry ice in a container with an airtight seal such as a container with a threaded lid, ziplock bag, or cooler
- Place the dry ice outside the sealed primary and secondary receptacles
- Secure the secondary packaging with interior supports such that the original orientation of the primary receptacle is maintained after the dry ice melts. Always follow package closure instructions.
- Always use an insulated package (ex-Styrofoam cooler inside a box).
- Package should not contain more than 200 KG of Dry Ice (IATA per package limit).
- Only properly trained individuals may handle this material.

Dry Ice is not regulated for domestic USA ground shipping. When shipped air or vessel Dry Ice (Carbon Dioxide, Solid), must be identified as UN 1845.

	MODE (CLICK):				
DRY ICE (CARBON DIOXIDE, SOLID)	NOT REGULATED US GROUND	HAZMATEAM	HAZMATEAM		







OSHA Hazard Communication Standard (29 CFR 1910.1200).

The Hazard Communication Standard requires employers/chemical manufacturers to provide information concerning hazardous chemicals via labels, safety data sheets, training and written programs. Consult 1910.1200 for complete details. Note: Per 29 CFR 1910.1200 (b)(6), this standard does not apply to Biological Hazards or Drugs as defined in the Federal Food, Drug, and Cosmetic Act.

The employer/manufacturer must evaluate a chemical's hazards: 1910.1200, App A for health hazards and 1910.1200, APP B for physical hazards. Once all hazards are identified, go to 1910.1200, APP C for required label element. Rules for OSHA labels are described in 1910.1200 (f).

OSHA GHS labels are affixed to the container handled by the employee. If a combination package is used, this label would be affixed to the primary or secondary package, not the outer package.

EXAMPLES OF OSHA GHS LABELING ELEMENTS FOR CHEMICALS DESCRIBED IN THIS GUIDE.

DRY ICE:

Hazard Statement: May displace oxygen and cause rapid suffocation

Pictogram: None

Hazards not otherwise classified: Contact with cryogenic liquid can cause frostbite and cryogenic burns.

Ethanol



DANGER

Highly flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness.



PREVENTION

Keep away from heat, sparks, and open flames. — No smoking. Keep container tightly closed.

Avoid breathing vapors. Use only outdoors or in a well-ventilated area. Wear eye protection.

RESPONSE

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.







OSHA Bloodborne Pathogen Standard (29 CFR 1910.1030).

The Bloodborne Pathogen standard has requirements for employers where pathogens are potentially present – exposure control plans, engineering, work practice controls, vaccinations, others. Consult 29 CFR 1910.1030 for complete details.

According to 1910.1030(g)(1)(i)(A), the warning label below shall be affixed to containers of regulated waste, refrigerators and freezers containing blood or other potentially infectious material; and other containers used to store, transport or ship blood or other *potentially* infectious material.

This label is affixed to the container handled by the employee. If a combination package is used, this label would be affixed to the primary or secondary package, not the outer package.

Note: this label would be on the outer shipping container when shipping single packages of OSHA regulated material or packages of Regulated Medical Waste, N.O.S. shipped by contract or private carrier.







EMERGENCY RESPONSE INFORMATION

When shipping papers (Bill of lading forms, Dangerous Goods Declaration forms) are required, all hazardous shipments to, from or through the United States must have written emergency response information accompany the shipment. This written document is typically either an SDS for the material or the applicable ERG pages from the DOT Emergency Response Guidebook (i.e., 'Orange Book'). The applicable ERG Codes from the Orange Book - Guide 158 for infectious materials and/or Guide 120 for Dry Ice.

On each shipping paper example provided in this guide, DOT ERG GUIDE 158 is referenced. DOT ERG GUIDE 120 is referenced on air and vessel shipments of Dry ice. Simply writing the guide number only on the BOL/declaration does not meet the emergency response information requirements described in 49 CFR 172.602. Written information (the SDS, ERG pages or entire ERG book) must be provided along with the shipping paper.

All shipping papers for shipments from, to or through the United States must also have 24-hour emergency telephone number, as described in 49 CFR 172.604. Each shipping paper example provided in this guide illustrates placement of the ER phone number. § 172.604 requires a numeric emergency response telephone number, including the area code, for use in an emergency involving the hazardous material. For telephone numbers outside the United States, the international access code or the "+" sign, country code, and city code, as appropriate, that are needed to complete the call must be included.

The shipping paper examples provided in this guide also reference emergency response guidebooks used by personnel on vessels or aircraft. The vessel and aircraft guides referenced are:

IMDG CODE: The EMS Code referenced in column 15 of the IMDG Dangerous Goods List (DGL) is listed in "The EmS Guide – Emergency Response Procedures for Ships Carrying Dangerous Goods".

IATA DGR: The IACO/IATA ERG Code referenced in Column N of the IATA DGR Dangerous Goods List (DGL) is the Emergency Response Drill Code as found in the International Civil Aviation Organization (IACO) document, "The Emergency Response Guidance for Aircraft Incidents Involving Dangerous Goods" (ICAO Doc. 9481-AN/928).

The IMDG Code and IATA DGR emergency response information described on the shipping paper examples in this guide are for the benefit of the operator of the vessel or aircraft.



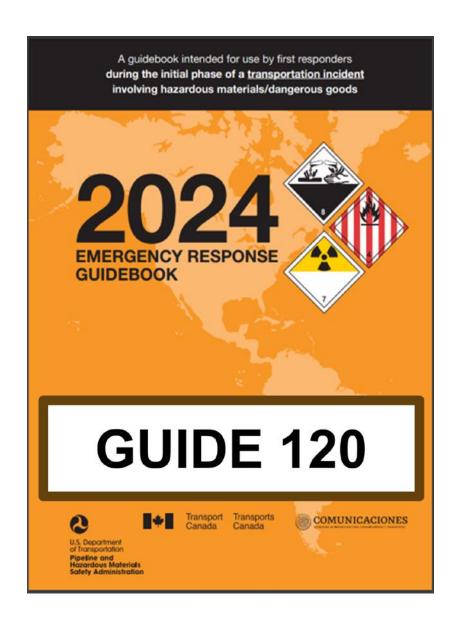






EMERGENCY RESPONSE GUIDE #120 – NEXT PAGE

(THE ERG GUIDE PAGE, AN SDS FOR THE MATERIAL OR THE ENTIRE ERG BOOK MUST ACCOMPANY WHEN DRY ICE MUST BE DESCRIBED ON A SHIPPING PAPER)









GUIDE GASES - INERT 120 (INCLUDING REFRIGERATED LIQUIDS)

POTENTIAL HAZARDS

HEALTH

- · Vapors may cause dizziness or asphyxiation without warning, especially when in closed or confined areas.
- Vapors from liquefied gas are initially heavier than air and spread along ground.
- · Contact with gas, liquefied gas or cryogenic liquids may cause burns, severe injury and/or frostbite.

FIRE OR EXPLOSION

- · Non-flammable gases.
- · Containers may explode when heated.
- · Ruptured cylinders may rocket.

PUBLIC SAFETY

- CALL 911. Then call emergency response telephone number on shipping paper. If shipping paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.
- · Keep unauthorized personnel away.
- Stay upwind, uphill and/or upstream.
- Many gases are heavier than air and will spread along the ground and collect in low or confined areas (sewers, basements, tanks, etc.).
- · Ventilate closed spaces before entering, but only if properly trained and equipped.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing provides thermal protection but only limited chemical protection.
- Always wear thermal protective clothing when handling refrigerated/cryogenic liquids or solids.

EVACUATION

Immediate precautionary measure

• Isolate spill or leak area for at least 100 meters (330 feet) in all directions.

Large Spill

Consider initial downwind evacuation for at least 100 meters (330 feet).

Fire

 If tank, rail tank car or highway tank is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

Gases - Inert (Including Refrigerated Liquids)

EMERGENCY RESPONSE

FIRE

- · Use extinguishing agent suitable for type of surrounding fire.
- If it can be done safely, move undamaged containers away from the area around the fire.
- · Damaged cylinders should be handled only by specialists.

Fire Involving Tanks

- Fight fire from maximum distance or use unmanned master stream devices or monitor nozzles.
- · Cool containers with flooding quantities of water until well after fire is out.
- Do not direct water at source of leak or safety devices; icing may occur.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- · ALWAYS stay away from tanks in direct contact with flames.

SPILL OR LEAK

- Do not touch or walk through spilled material.
- · Stop leak if you can do it without risk.
- Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material.
- · Do not direct water at spill or source of leak.
- If possible, turn leaking containers so that gas escapes rather than liquid.
- · Prevent entry into waterways, sewers, basements or confined areas.
- · Allow substance to evaporate.
- · Ventilate the area.

CAUTION: When in contact with refrigerated/cryogenic liquids, many materials become brittle and are likely to break without warning.

FIRST AID

Refer to the "General First Aid" section.

Specific First Aid:

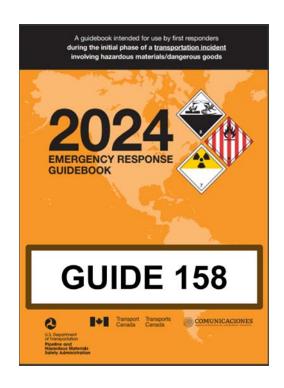
- Clothing frozen to the skin should be thawed before being removed.
- In case of contact with liquefied gas, only medical personnel should attempt thawing frosted parts.

GUIDE

120

EMERGENCY RESPONSE GUIDE #158 – NEXT PAGE

(THE ERG GUIDE PAGE, AN SDS FOR THE MATERIAL OR THE ENTIRE ERG BOOK MUST ACCOMPANY SHIPMENTS OF UN 2814, UN 2900 OR UN 3291)









GUIDE INFECTIOUS SUBSTANCES 158

POTENTIAL HAZARDS

HEALTH

- · Inhalation or contact with substance may cause infection, disease or death.
- Category A Infectious Substances (UN2814, UN2900 or UN3549) are more hazardous, or are in a more hazardous form, than infectious substances shipped as Category B Biological Substances (UN3373) or clinical waste/medical waste (UN3291).
- Runoff from fire control or dilution water may cause environmental contamination.
- Damaged packages containing solid CO₂ as a refrigerant may produce water or frost from condensation
 of air. Do not touch this liquid as it could be contaminated by the contents of the parcel.
- Contact with solid CO₂ may cause burns, severe injury and/or frostbite.

FIRE OR EXPLOSION

- · Some of these materials may burn, but none ignite readily.
- · Some may be transported in flammable liquids.

PUBLIC SAFETY

- CALL 911. Then call emergency response telephone number on shipping paper. If shipping paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.
- · Keep unauthorized personnel away.
- · Stay upwind, uphill and/or upstream.
- · Consult the shipping paper to identify the substance involved.

PROTECTIVE CLOTHING

- Use judgement based on the amount of material present and the possible routes of exposure to select protective clothing.
- Wear appropriate respiratory protection, such as fit-tested N95 respirator (at minimum), powered air purifying respirator (PAPR), or positive pressure self-contained breathing apparatus (SCBA).
- Wear full coverage body protection (e.g., Tyvek suit), faceshield, and disposable fluid-resistant gloves (e.g., latex or nitrile).
- Wear appropriate footwear; disposable shoe covers can be worn to protect against contamination.
- Puncture- and cut-resistant gloves should be worn over fluid-resistant gloves if sharp objects (e.g., broken glass, needles) are present.
- Wear insulated gloves (e.g. cryo gloves) over fluid-resistant gloves when handling dry ice (UN1845).
- Decontaminate protective clothing and personal protective equipment after use and before cleaning or disposal with a compatible chemical disinfectant (e.g., 10% solution of bleach, equivalent to 0.5% sodium hypochlorite) or through a validated decontamination technology (e.g., autoclave) or process.
- Structural firefighters' protective clothing provides thermal protection but only limited chemical protection.

EVACUATION

Immediate precautionary measure

• Isolate spill or leak area for at least 25 meters (75 feet) in all directions.

INFECTIOUS SUBSTANCES

GUIDE 158

EMERGENCY RESPONSE

FIRE

Small Fire

· Dry chemical, soda ash, lime or sand.

Large Fire

- · Use extinguishing agent suitable for type of surrounding fire.
- Do not scatter spilled material with high-pressure water streams.
- · If it can be done safely, move undamaged containers away from the area around the fire.

SPILL OR LEAK

- · Do not touch or walk through spilled material.
- Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- Absorb with earth, sand or other non-combustible material.
- Cover damaged package or spilled material with absorbent material such as paper towel, towel or rag to
 absorb any liquids, and, beginning from outside edge, pour liquid bleach or other chemical disinfectant to
 saturate. Keep wet with liquid bleach or other disinfectant.
- DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.

FIRST AID

Refer to the "General First Aid" section.

Specific First Aid:

· Move victim to an isolated area if it can be done safely.

CAUTION: Victim may be a source of contamination.

- In case of contact with substance, immediately flush eyes with running water and wash skin thoroughly
 with soap and water. Take caution not to break the skin.
- · Additional decontamination may also be necessary.
- Effects of exposure (inhalation, ingestion, injection/inoculation or skin contact) to substance may be delayed. Victim should consult medical professional for information regarding symptoms and treatment.



In Canada, an Emergency Response Assistance Plan (ERAP) may be required for this product. Please consult the shipping paper and/or the "ERAP" section.

Page 247



PACKAGE TEST REQUIREMENTS

Category A infectious materials require UN Specification packaging.

Packages of Category B infectious materials do not require UN Specification packaging, but do require some degree of package testing.

The following pages summarizes package test requirement for biological materials via ground (USA), air and vessel.

HAZMATEAM, INC. offers package testing services.

Call 603-882-1112 for more information or for a quote.

CATEGORY B INFECTIOUS MATERIALS 1

PACKAGE	VIBRATION TEST ²	DROP TEST ²	PRESSURE TEST ³
UN 3373 GROUND	②	②	
UN 3373 AIR	②	②	
UN 3373 AIR - LIQUIDS	②	②	②
UN 3373 VESSEL	②	②	
UN 3373 VESSEL - LIQUIDS	②	②	②

- 1- Does not require UN Specification packaging
- 2- 173.199 (a)(4), IMDG PI 650 (6) and IATA PI 650
- 3- Ref: 49 CFR 173.199 (b)(4), IATA PI 650 (a)(5) and IMDG PI 650 (7).





CATEGORY A INECTIOUS MATERIALS REQUIRING PACKAGING

PACKAGE	AIR TRANSPORT	VESSEL	DOMESTIC USA
	_	TRANSPORT	GROUND TRANSPORT
	HAZMATEAM	HAZMATEAM	HAZMATEAM
UN 2900	②	②	⊘
UN 2814	⊘	②	©

NOTE: All Category A infectious packages (liquids or solids): primary or secondary receptacle must pass 95 kPa pressure test. Ref: 49 CFR 173.196 (a)(6), IMDG PI 620 and IATA PI 620.





DISCLAIMER

This guide provides a very basic summary of regulatory requirements. The user must follow the appropriate shipping requirements of IMDG/DOT/IATA Hazmat-DG regulations, as well as the OSHA Bloodborne Pathogen standard. HAZMATEAM, INC shall not be held liable for any damage resulting from handling or from contact with the products described in this guide.

The user of this guide must be trained and use the classification, packaging instructions and guidance in the most recent versions of the applicable DG regulations (IMDG, IATA, ICAO, 49 CFR and/or other country specific DG regulations). In addition, employers must ensure workers are following all applicable OSHA handling, packing and labeling procedures: OSHA 29 CFR 1910.1030, 1904.8, 1910.145, 1910.151, 1910.132 to 1910.138, 1910.1200 and 1910.1450.

The information in this guide is believed to be correct, however, HAZMATEAM, INC assumes no responsibility or liability for any errors or omissions in the content. The information contained in this guide is provided on an "as is" basis with no guarantees of completeness, accuracy, usefulness or timeliness and without any warranties of any kind whatsoever, express or implied. HAZMATEAM, INC does not warrant that this guide and any information or material downloaded from this guide, will be error-free, omission-free or free of viruses or other harmful items.

Certain links on this guide lead to sites maintained by individuals or organizations over which HAZMATEAM, INC has no control. Any such links are provided for your convenience only and HAZMATEAM, INC makes no representations or warranties regarding the accuracy, usefulness, completeness appropriateness or any other aspect of the information located on such sites. HAZMATEAM, INC reserves the right to request removal of any link to this guide.

This guide is copyrighted by HAZMATEAM, INC. All rights reserved. No part of this publication may be reproduced without prior approval by HAZMATEAM, INC.

RETURN TO FIRST PAGE (CLICK)