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SHIPPERS' PROGRAMME 2015-2016



Module 7

Shipping Infectious Substances in Dry Shippers



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Shipping in dry shippers using liquid nitrogen





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Options when shipping with refrigerated liquid nitrogen



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Shipping with refrigerated liquid nitrogen

- ❖ Samples which need to be kept frozen at very low temperature can be shipped using refrigerated liquid nitrogen
- ❖ When shipping with liquid nitrogen, "dry shippers" can be used
- ❖ Correctly prepared "dry shippers" do not contain free liquid nitrogen
- ❖ While refrigerated liquid nitrogen is a regulated dangerous good (class 2.2, UN 1977), when it is used to prepare a "dry shipper" it is not any more, as it is fully absorbed in a porous material
- ❖ In certain cases, Special Provision A152 applies:

When dry shippers are used to contain substances not subject to Dangerous Goods Regulations the words "Not Restricted" and the Special Provision number A152 must be included in the description of the substance on the Air Waybill, when an Air Waybill is issued.



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Shipping with refrigerated liquid nitrogen (cont'd)

- ⚠ When shipping with "dry shippers", the dangerous goods label for class 2 (non-flammable, non-toxic gases) is NOT required
- ⚠ Shippers must properly mark and label the outside of dry shipper packages containing infectious substances
- ⚠ When using dry shippers, the presence of infectious substances must be appropriately documented (for Category A packages this information will be included in the Dangerous Goods Declaration; for Category B and Exempt Human/Animal Specimen, this information is provided on the air waybill)



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Marking, labelling and documenting Category A shipments in dry shippers



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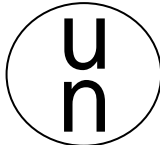

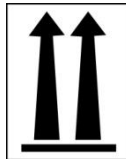

Markings and labels for Category A samples in dry shippers

Markings

- Shipper's name and address
- Receiver's name and address
- Name and telephone number of responsible person (who is available 24 hours a day until shipment arrives; emergency contact)
- Proper Shipping Name
- UN Number
- UN Specification Marking

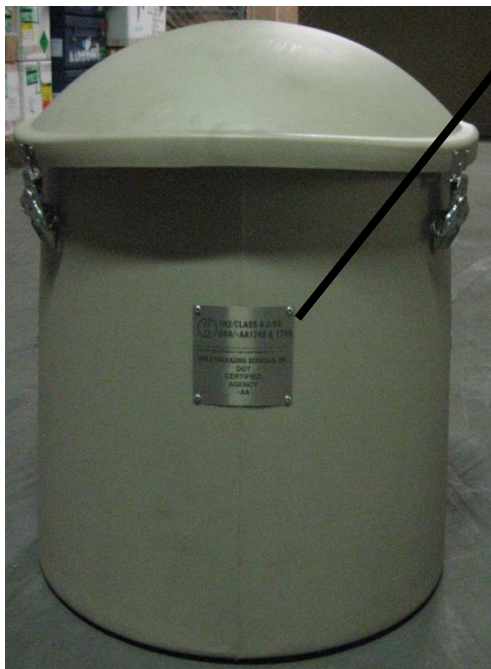
Labels (hazard and handling)

- Infectious substance label
- Orientation arrows (black or red; mandatory, on opposite sides, only when primary containers exceed 50 ml)
- Cargo Aircraft Only (when the package may only be transported on a cargo aircraft)

MARKINGS		
SHIPPER PETER PAN TIMELY LOGISTICS BP 102 I-0956666 NOLAND	RECEIVER AB NORMAL FRANKENSTONE LAB RUE DE L'ESSAI F-9867 ADIEU	
EMERGENCY CONTACT 24H/24H Dr RED PEPPER: +67 56 45 34 23		
 4H2/CLASS 6.2/02 F/BVT 312103		
INFECTIOUS SUBSTANCE, AFFECTING HUMANS UN 2814		
LABELS		
		

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Examples of dry shippers bearing UN specification markings



1H2 is used for
plastic drums with
removable heads




4H2 is the
code for solid
plastic boxes



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Documenting Category A shipments in dry shippers

Only dry shippers bearing a UN specification marking and approved for the transport of Class 6.2 infectious substances (triple package!) can be used to ship Category A substances. This marking provides the information on the type of external packaging. The information is coded. Codes like 4G (fibreboard box), 1H2 (plastic drum) or 4H2 (solid plastic box) may apply.

 No additional information is needed on the air waybill

SHIPPER'S DECLARATION FOR DANGEROUS GOODS	
Shipper	Air Waybill No. Page 1 of 1 Pages Shipper's Reference Number (optional)
Consignee	
This completed and signed copy of this declaration must be handed to the carrier.	
TRANSPORT DETAILS	WARNING
This shipment is within the scope of the Regulations prescribed for: (Class non-applicable)	Failure to comply in all aspects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties.
Mode of Transport: <input type="checkbox"/> AIRPORT <input type="checkbox"/> SEAPORT	
Proper Shipping Name: <input type="checkbox"/> CARGO <input type="checkbox"/> PASSENGER <input type="checkbox"/> MAIL <input type="checkbox"/> CARGO AND PASSENGER <input type="checkbox"/> MAIL ONLY	
Port of Origin	Port of Destination
Shipment Type (Class non-applicable)	
<input type="checkbox"/> NON-HAZARDOUS <input type="checkbox"/> HAZARDOUS	
NATURE AND QUANTITY OF DANGEROUS GOODS	
Dangerous Goods Identification	
UN ID No.	Proper Shipping Name
UN 2814	Infectious substance, affecting humans (Ebola virus)
Additional handling instructions	
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled in accordance with applicable international and national governmental regulations.	
Name/Title of Signatory	
Place and Date:	
Signature (see marking above)	



Dangerous Goods Identification						
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Packing Group	Quantity and Type of Packing	Packing Inst.	Authorization
UN 2814	Infectious substance, affecting humans (Ebola virus)	6.2		1 plastic drum x 50ml	620	



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Marking, labelling and documenting Category B shipments in dry shippers



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Markings and labels for Category B samples in dry shippers

Markings

- Shipper's name and address
- Receiver's name and address
- Proper Shipping Name
- UN Number

Labels (hazard and handling)

- None are required

MARKINGS	
SHIPPER PETER PAN TIMELY LOGISTICS BP 102 I-0956666 NOLAND	RECEIVER AB NORMAL FRANKENSTONE LAB RUE DE L'ESSAI F-9867 ADIEU
	BIOLOGICAL SUBSTANCE, CATEGORY B
LABELS	

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Documenting Category B shipments using dry shippers

Nature et quantité des marchandises (y compris dimensions ou volume) Nature and Quantity of Goods (incl. Dimensions or Volume)	
Biological Substance, Category B UN 3373 1 dry shipper Not restricted, as per Special Provision A152	
<small>Les documents de transport aérien sont originaux et ont la même validité que les originaux, and have the same validity.</small> <small>Les documents sont acceptés pour le transport en bon état, à l'exception des documents qui figurent au verso. Les marchandises peuvent être transportées par d'autres transporteurs à moins que des instructions ne soient données par l'expéditeur. L'expéditeur accepte que les marchandises soient transportées par le transporteur agréé. L'expéditeur accepte que les marchandises soient transportées par le transporteur agréé et en payant des frais supplémentaires s'il y a lieu.</small> <small>Documents are accepted for carriage as valid, except for documents which are marked on the reverse. Goods may be carried by any other means including road or any other, and given hereon by the shipper, and shipper accepts that the goods may be carried by the carrier using appropriate. The shipper is at full responsibility of liability. Shipper may increase such limitation of liability by deleting or modifying.</small>	
<small>Options Affectation (facultative) Options Affectation (facultative)</small> <small>Valeur déclarée pour le transport Declared Value for Carriage</small> <small>Valeur déclarée pour le douane Declared Value for Customs</small>	
<small>Le transporteur assume une responsabilité et doit l'indiquer en fait le transporteur conformément aux conditions indiquées le transport à assurer en chiffres dans le cas "Montant de l'assurance". The carrier assumes a liability and must indicate in fact the carrier according to the conditions indicated in the case "Amount of insurance". </small>	
<small>SCI</small>	
<small>Nature et quantité des marchandises (y compris dimensions ou volume) Nature and Quantity of Goods (incl. Dimensions or Volume)</small>	
<small>Port payé Prepaid</small> <small>Taxe sur le poids Weight Charge</small> <small>Port de Collect</small> <small>Taxe à la valeur Valuation Charge</small> <small>Taxe sur le poids Weight Charge</small> <small>Total des autres frais dus à l'agent Total Other Charges Due Agent</small> <small>Total des autres frais dus au transporteur Total Other Charges Due Carrier</small> <small>Total port payé Total Prepaid</small> <small>Total port dû Total Collect</small> <small>Taux de conversion monétaire Currency Conversion Rate</small> <small>Port dû en monnaie du pays de destination CC Charges in Base Currency</small> <small>Frais à l'arrivée Charges at Destination</small>	<small>Autres frais Other Charges</small> L'expéditeur certifie que les indications portées sur le présent document sont exactes et que, dans la mesure où une partie quelconque de l'expédition contient des marchandises dangereuses, cette partie d'expédition est correctement dénommée et bien préparée pour le transport par air conformément à la réglementation applicable. Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains dangerous goods, such part is properly described by name and is in proper condition for carriage by air according to the applicable Dangerous Goods regulations.
<small>Signature de l'expéditeur ou de son agent Signature of Shipper or his Agent</small>	<small>Signature du transporteur détenteur ou de son agent Signature of Issuing Carrier or its Agent</small>
<small>Fait le Executed on</small>	<small>(Date) (Date)</small>
<small>à at</small>	<small>(Lieu) (Place)</small>
<small>Total des Frais Collect. Charges</small>	

 CD. 5071
 En vente : Boutique
 L.C.I., 10, avenue d'Am... 75355 PARIS CEDEX 16
 Vente par correspondance
 C.O.U. Point. 105 avenue Georges Clemenceau - 94306 BRY SUR SEINE
 596 8400



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Marking, labelling and documenting exempt shipments in dry shippers



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Markings and labels for Exempt human/animal specimen in dry shippers

Markings

- Shipper's name and address
- Receiver's name and address
- Proper shipping name

Labels (hazard and handling)

- None are required

MARKINGS	
SHIPPER PETER PAN TIMELY LOGISTICS BP 102 I-0956666 NOLAND	RECEIVER AB NORMAL FRANKENSTONE LAB RUE DE L'ESSAI F-9867 ADIEU
EXEMPT HUMAN SPECIMEN	
EXEMPT ANIMAL SPECIMEN	
LABELS	



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Documenting shipments of Exempt human/animal specimen using dry shippers

Nature et quantité des marchandises (y compris dimensions ou volume) Nature and Quantity of Goods (incl. Dimensions or Volume)	
Exempt specimens Not restricted, as per Special Provision A152	
<p>Les documents de transport aérien sont originaux et ont la même validité que les originaux, and have the same validity.</p> <p>Les documents sont acceptés pour le transport en bon état, sans aucune modification du contrat qui figurent au verso. Les marchandises peuvent être transportées par tout autre transporteur à moins que des instructions ne soient données par l'expéditeur et l'expéditeur accepte que les marchandises soient transportées par le transporteur agréé. L'expéditeur et l'expéditeur acceptent la responsabilité du transporteur. L'expéditeur et l'expéditeur acceptent la responsabilité du transporteur.</p> <p>Les marchandises peuvent être transportées par tout autre transporteur à moins que des instructions ne soient données par l'expéditeur et l'expéditeur accepte que les marchandises soient transportées par le transporteur agréé. L'expéditeur et l'expéditeur acceptent la responsabilité du transporteur. L'expéditeur et l'expéditeur acceptent la responsabilité du transporteur.</p>	
Conditions Acheminement (Facultatives) Conditions Shipment (Facultative)	
Valeur déclarée pour le transport Declared Value for Carriage	Valeur déclarée pour la douane Declared Value for Customs
Le transporteur assume une responsabilité et doit l'indiquer en fait le transporteur conformément aux conditions indiquées le montant à assurer en chiffres dans la case "Montant de l'assurance". The carrier assumes liability and must indicate in fact the carrier according to the conditions indicated the amount to be insured in figures in box marked "Amount of insurance".	
SCI	
Nature et quantité des marchandises (y compris dimensions ou volume) Nature and Quantity of Goods (incl. Dimensions or Volume)	

Port payé Prepaid	Taxation au poids Weight Charge	Port de Collect	Autres frais Other Charges
Taxation à la valeur Valuation Charge			
Taxe Tax			
Total des autres frais dus à l'agent Total Other Charges Due Agent			
Total des autres frais dus au transporteur Total Other Charges Due Carrier			
Total port payé Total Prepaid			
Total port dû Total Collect			
Taux de conversion monétaire Currency Conversion Rate			
Port dû en monnaie du pays de destination CC Charges in Base Currency			
Frais à l'arrivée Charges at Destination			
Réservé au transporteur à destination For Carrier Use Only at Destination			

L'expéditeur certifie que les indications portées sur le présent document sont exactes et que, dans la mesure où une partie quelconque de l'expédition contient des marchandises dangereuses, cette partie d'expédition est correctement dénommée et bien préparée pour le transport par air conformément à la réglementation applicable.
Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains dangerous goods, such part is properly described by name and is in proper condition for carriage by air according to the applicable Dangerous Goods regulations.

Signature de l'expéditeur ou de son agent Signature of Shipper or his Agent

Fait le
Lecut on

(Date)
at

(Lieu)
Place

Signature du transporteur détenteur ou de son agent
Signature of Issuing Carrier or its Agent



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Questions and comments