

Safe Transport of Dangerous Goods by Air

Joseph LE-TONQUEZE – Pascal TATIN

DG Experts (EASA EU-South East Asia Aviation Partnership Project Experts)

20-23 January 2020

Safe Transport of Dangerous Goods by Air

Shipper's responsibilities



Doc 9284

Technical Instructions for the Safe
Transport of Dangerous Goods by Air

2019-2020 Edition



Approved and published by decision of the Council of ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

SAFE TRANSPORT OF DANGEROUS GOODS BY AIR



Doc 9284

Technical Instructions for the Safe
Transport of Dangerous Goods by Air

2019-2020 Edition



Approved and published by decision of the Council of ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

➤ Part 5 = Shipper's responsibilities

✓ Chapter 1 – General

✓ Chapter 2 - Package markings

✓ Chapter 3 – Labelling

✓ Chapter 4 - Documentation

PART 5 – SHIPPER'S RESPONSIBILITIES

It is the shipper's responsibility to ensure that all of the applicable air transport requirements are met

→ Before a person offers any package or overpack of dangerous goods for transport by air, that person must ensure that:

- the articles or substances are **not forbidden** for transport by air
- the goods are **properly classified, marked, labelled** and in a condition for transport as required by the Instructions
- the dangerous goods are **packaged in compliance** with all the applicable air transport requirements regarding:
 - ✓ packagings (appropriate types, quantity, closure, compatibility, ...)
 - ✓ marking
 - ✓ documentation
 - ✓ ...

PART 5 – SHIPPER'S RESPONSIBILITIES

- **Shippers have to apply special provisions regarding Class 7 (radioactive) shipments:**
 - ✓ **multilateral approvals** for certain B(M) packages or containing fissile materials
 - ✓ **approval under special arrangement** (approval by a competent authority)
 - ✓ **prior the commencement of the shipment, notification (without acknowledgement) to all competent authorities, each time a shipment requires an approval**
 - ✓ **determination of Transport Index (TI) and Criticality Safety Index (CSI) (Part 5 ; 1.2.3)**
- **Certificates issued by competent authorities are required for design, special arrangements and certain shipments**
 - ✓ **The certificates must confirm that the applicable requirements are met, and for design approvals, must attribute to the design an identification mark**
 - ✓ **The shipper must be in possession of a copy of each applicable certificate**

PART 5 – SHIPPER'S RESPONSIBILITIES

➤ Information to employees:

✓ shippers **must provide** such **information to employees** as will enable them to carry out their responsibilities with regard to the air DG transportation

➤ Training of involved personal

✓ before a DG consignment is offered for air transport, **all relevant persons** involved in its preparation **must be trained** with regard to their **responsibilities**

✓ in case the shipper doesn't trained staff, the term **"relevant persons"** is applied to any **sub-contractor working on behalf the shipper**, and the **sub-contractor's** staff is **undertaking** the shipper's **responsibilities**

→ However, such persons must be trained as required by Part 1, Chapter 4 (training requirements)(IATA Part 1;chapter 5)

PART 5 – SHIPPER'S RESPONSIBILITIES

➤ Provisions for salvage packaging:

✓ before offering any **salvage packaging** for transportation, a shipper must ensure that:

– it is **properly marked** (shipping name & UN Number) and **labelled**

– it is also **marked** with the **word "Salvage"** (at least 12 mm high)

– The words **"Salvage package"** are **added** after the description of the goods **in the DGD** (shipper's declaration)

➤ Provisions for empty packaging:

✓ Other than Class 7, each packaging **which previously contained DG** must be **identified, marked, labelled and placarded** as required it has been **cleaned, purged of vapours or refilled with a non-dangerous substance** (nullifying any hazard)

✓ A packaging which had **previously contained an infectious substance** must be **disinfected or sterilized to nullify any hazard**, and **any label or marking must be removed or obliterated** (before returning to the shipper or sending elsewhere)

✓ **Class 7 empty packaging** must not be used for the storage or transport of other goods **unless decontaminated**

PART 5 – SHIPPER'S RESPONSIBILITIES

➤ Provisions for mixed packaging:

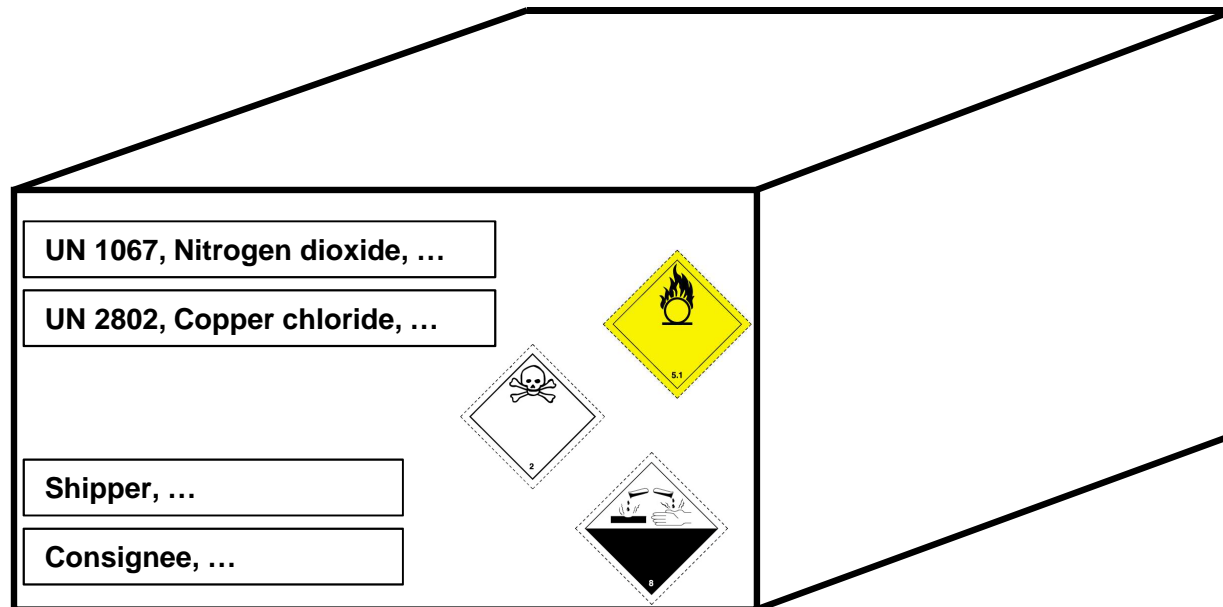
✓ When **two or more** dangerous goods are packed within the same outer packaging, the package must be **labelled and marked** as required **for each substance**

✓ *Labels need not be applied for a subsidiary risk if the hazard is already represented by a primary risk label*

✓ **Example: Nitrogen Dioxide – UN 1067 – Primary risk: 2.3**

Subsidiary risk: 5.1 & 8

+ Copper Chloride – UN 2802 - Risk: 8



PART 5 – SHIPPER'S RESPONSIBILITIES - MARKINGS

→ **Unless otherwise provided in the Instructions, DG packages and overpacks containing DG carried by air must be marked !**

➤ **Required markings:**

- ✓ **must not be covered or obscured by anything**
- ✓ **must be durable, printed (or marked on or affixed to) to the external surface of the package**
- ✓ **must be readily visible and legible, displayed on a background of contrasting colour**
- ✓ **must be able to withstand open weather exposure without a substantial reduction in effectiveness**
- ✓ **must not be located with other package markings that could substantially reduce their effectiveness**

➤ **Prohibited markings and labelling**

- ✓ **Arrows for purposes other than indicating proper package orientation must not be displayed on a package containing liquid dangerous goods**

➤ Proper shipping name and UN (or ID) number

✓ The **proper shipping name** of the DG (supplemented with the technical name if appropriate) and, when assigned, the corresponding **UN number** preceded by the letters “UN” (or “ID”)

→ Example: Corrosive solid, flammable, n.o.s. (brule-tout) UN 2921

✓ For **solid substances**, if the word “**molten**” is already included in the proper shipping name, it **must be added** on the package

✓ For **explosives**, the **proper shipping name** may be **supplemented** by additional descriptive text to indicate **commercial or military names**

➤ Shipper and consignee identification

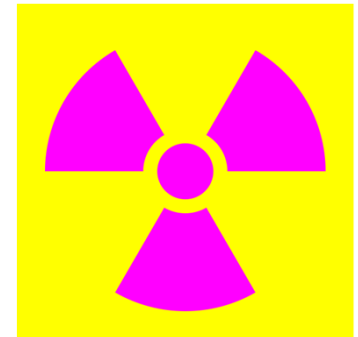
✓ The name and address of the person who offers the dangerous goods for transport by air and of the consignee **must be provided** on each package, **near** the proper shipping name

➤ Markings must be stamped, printed or otherwise marked on the package to **provide** adequate **permanency**

➤ **Special marking requirements**

→ **Radioactive material**

- ✓ package with a **gross mass > 50 kg** must have its **permissible gross mass legibly and durably marked** on the outside of the packaging
- ✓ **"Type A", "Type IP-1", "Type IP-2", "Type IP-3"** must be **legibly and durably marked** on the outside of the packaging for such design packages
- ✓ package conforming to a **design approved by competent authority** must be **legibly and durably marked** on the outside of the packaging with
 - identification mark allocated to that design by the competent authority
 - serial number to uniquely identify each packaging which conforms to that design
 - **"TYPE B(U)", "TYPE B(M)" or "TYPE C"** when appropriate
 - **Trefoil symbol marking**



➤ Special marking requirements

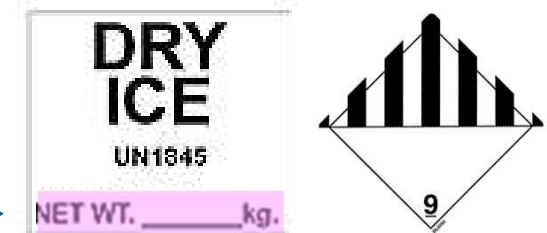
→ Refrigerated liquefied gas

✓ In addition to arrows used for package orientation on at least two opposite vertical sides, the wording **"KEEP UPRIGHT"** must be placed at **120°** intervals around the package **or on each side**. Packages must also be clearly marked **"DO NOT DROP – HANDLE WITH CARE"**



→ Dry Ice

✓ **net mass** of solid carbon dioxide (dry ice) **must be marked** on any package containing such substance



→ Biological Substances, Category B

✓ packages must be marked **"Biological substance, Category B"**.



➤ Special marking requirements

→ Environmentally hazardous substances

✓ UN 3077 & 3082 packages must be **marked with the “environmentally hazardous substance mark”** (in addition to the Class 9 label)



→ Explosives

✓ The **proper shipping name** may be **supplemented by additional descriptive text** to indicate **commercial or military names**

– e.g. UN 0181 - Rockets with bursting charge – Exocet B1

→ Chemical oxygen generators

✓ PBE have to be transported under provision of SP A144, and the statement **“Aircraft protective breathing equipment (smoke hood) in accordance with Special Provision A144”** shall be marked adjacent to the proper shipping name

➤ Special marking requirements

→ **Packages** containing **lithium cells/batteries** prepared in accordance with:

- **Section II** of Packing Instructions **965 to 970**
 - **Section IB** of Packing Instructions **965 and 968**
- must be marked



→ the mark **must** indicate:

- ✓ **UN 3090** for lithium metal cells or batteries
- ✓ **UN 3480** for lithium ion cells or batteries
- ✓ **UN 3091** for lithium metal cells or batteries contained in/packed with equipment
- ✓ **UN 3481** for lithium ion cells or batteries contained in/packed with equipment

*Where a package contains lithium cells or batteries assigned to **different UN numbers**, **all applicable UN numbers** must be **indicated** on one or more marks*

- ✓ **a telephone number for additional information**

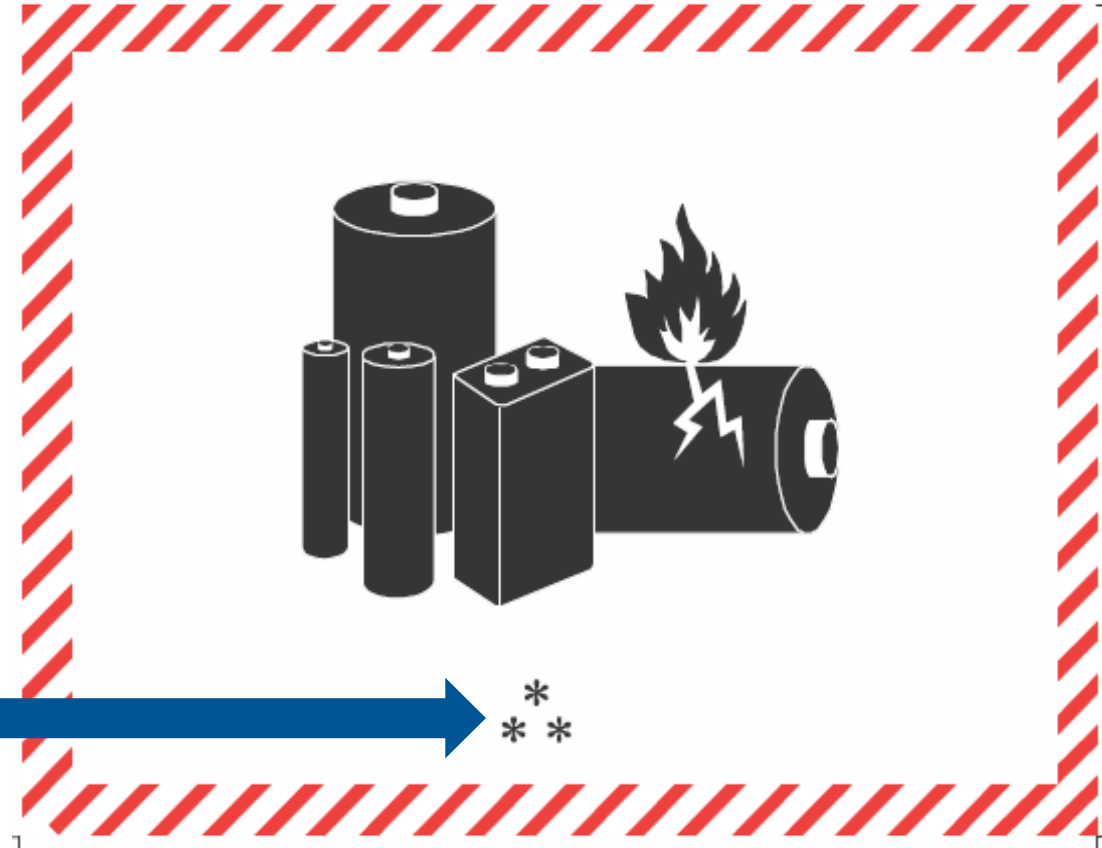
PART 5 – SHIPPER'S RESPONSIBILITIES – MARKINGS SPECIFICATIONS & REQUIREMENTS

➤ Special marking requirements

→ **lithium cells/batteries mark**

* **UN Number(s)**

** **Phone Number**



Since 1st of January 2019, the old handling label is not permitted at all !

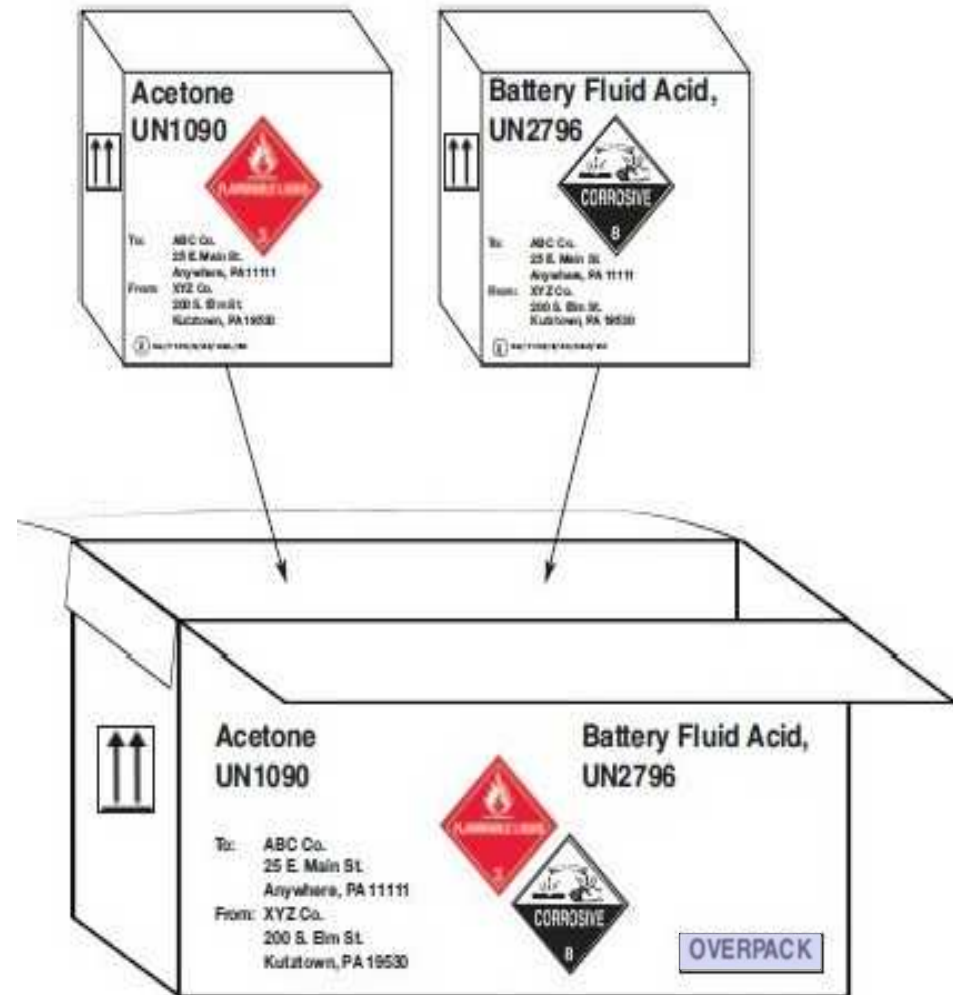


➤ Special marking requirements:

→ Overpacks:

- ✓ They must be marked with the **proper shipping name, UN number, and special handling instructions appearing on interior packages of for each item dangerous goods contained in the overpack, unless markings and labels representative of all dangerous goods in the overpack are visible**

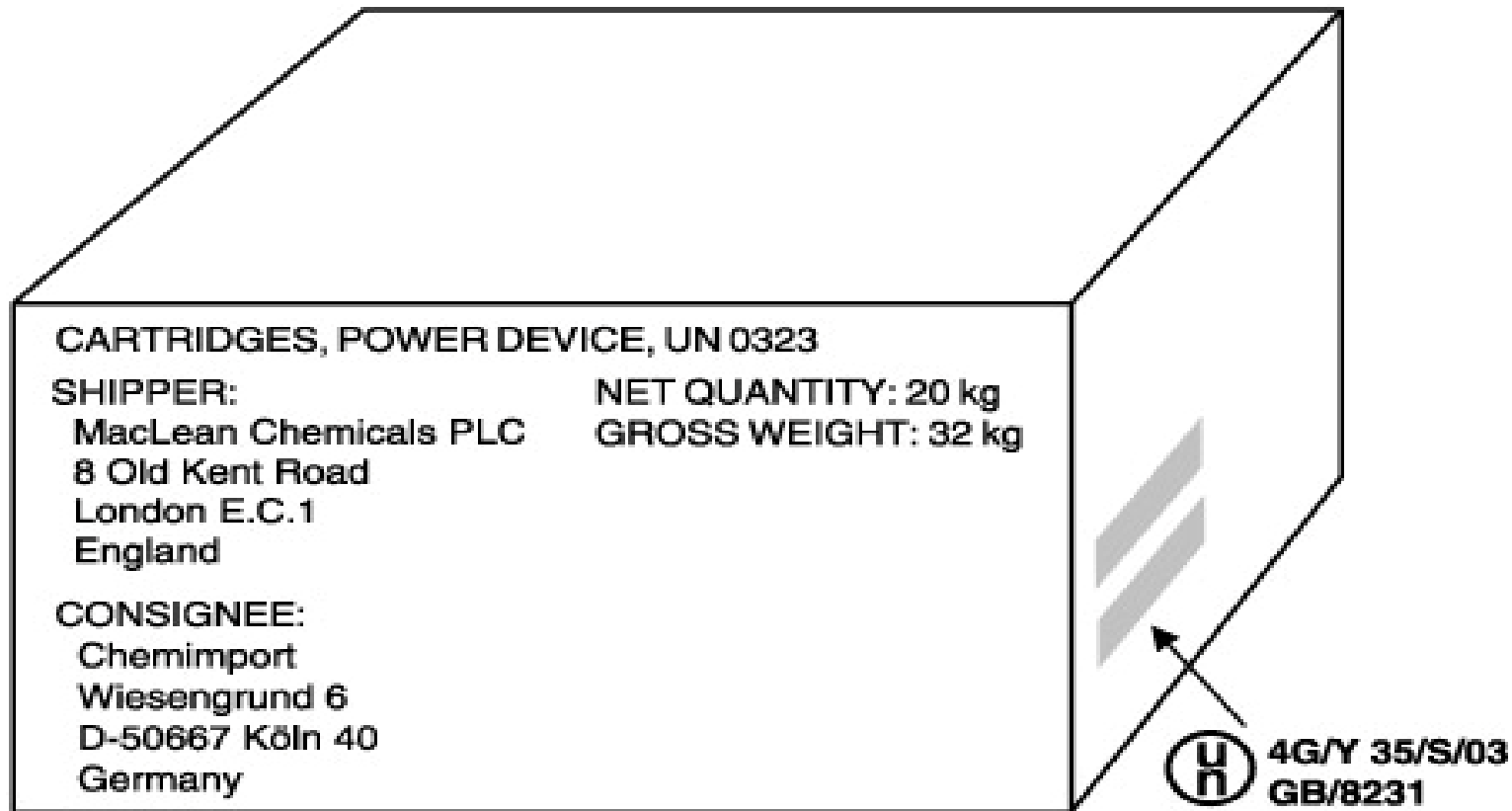
Note: From the 1st of January 2016, the lettering of the "Overpack" marking must be at least 12 mm high



➤ Special marking requirements

→ Language to be used

✓ in addition to the languages which may be required by the State of Origin, **English should be used**



PART 5 – SHIPPER'S RESPONSIBILITIES - LABELLING

➤ Special labelling requirements:

- ✓ when required, each DG package must be affixed with a **danger** class label, and, if any, a **subsidiary** risk label
- ✓ these labels must bear the class or division **number** on them
- ✓ all labels must be able to withstand open weather exposure without a substantial reduction in effectiveness
- ✓ when primary and subsidiary risk labels are required, they must be displayed **next to each other**

- ✓ Each label **must**:
 - be affixed to a **background of contrasting colour** or must have a dotted or solid line outer boundary
 - be **located** on the same surface of the package **near the proper shipping name** marking
 - be affixed at an **angle of 45°** (diamond shaped), unless the package dimensions are inadequate
 - **not be covered or obscured** by any part of or attachment to the packaging or any other label or marking

PART 5 – SHIPPER'S RESPONSIBILITIES - LABELLING

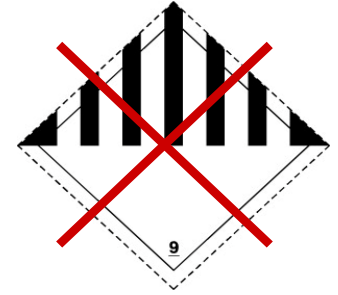
➤ Special labelling requirements:

- ✓ Labels must not be folded. Cylindrical packages must be of such dimensions that a label **will not overlap itself**
- ✓ If the dimensions of the package are such that two identical labels cannot be affixed without overlapping each other, one label is acceptable provided it does not overlap itself
- ✓ Labels **must be firmly affixed** to or **printed** on the package of DGs.
Where a package is of such an irregular shape that a label cannot be affixed to or printed on a surface, it is **acceptable to attach** the label to the package by an **adequately strong tag**

PART 5 – SHIPPER'S RESPONSIBILITIES - LABELLING

➤ Special labelling requirements:

✓ Since packages or consignments of magnetized material (Class 9) must bear the **"Magnetized material"** label, and do not need to bear the Class 9 label



✓ when the package containing the dangerous goods may only be transported on a cargo aircraft, the **"Cargo aircraft only"** label must be affixed



Note: Where the packing instruction number and the permitted quantity per package are identical for passenger and cargo aircraft, the "Cargo aircraft only" label should not be used

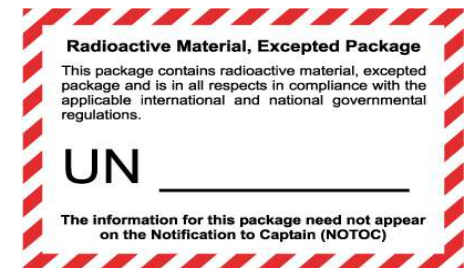
PART 5 – SHIPPER’S RESPONSIBILITIES - LABELLING

➤ Special labelling requirements:

✓ Packages containing refrigerated liquefied gases, the **“Cryogenic liquid”** label must be affixed on all packages

✓ Packages containing **self-reactive substances of Division 4.1, or Division 5.2 organic peroxides**, the **“Keep away from heat”** label must be affixed on all packages, on the same surface of the package near the hazard label(s)

✓ Excepted packages of radioactive material must be affixed with the **“Radioactive material, excepted package”** handling label



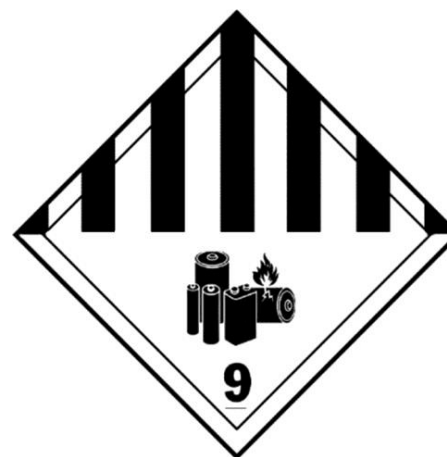
PART 5 – SHIPPER’S RESPONSIBILITIES - LABELLING

➤ Special labelling requirements:

✓ Packages containing lithium batteries that meet the requirements of **Section IB** of Packing Instructions **965 and 968** must bear **both** a “Lithium battery” handling label **and** a Class 9 hazard label



+

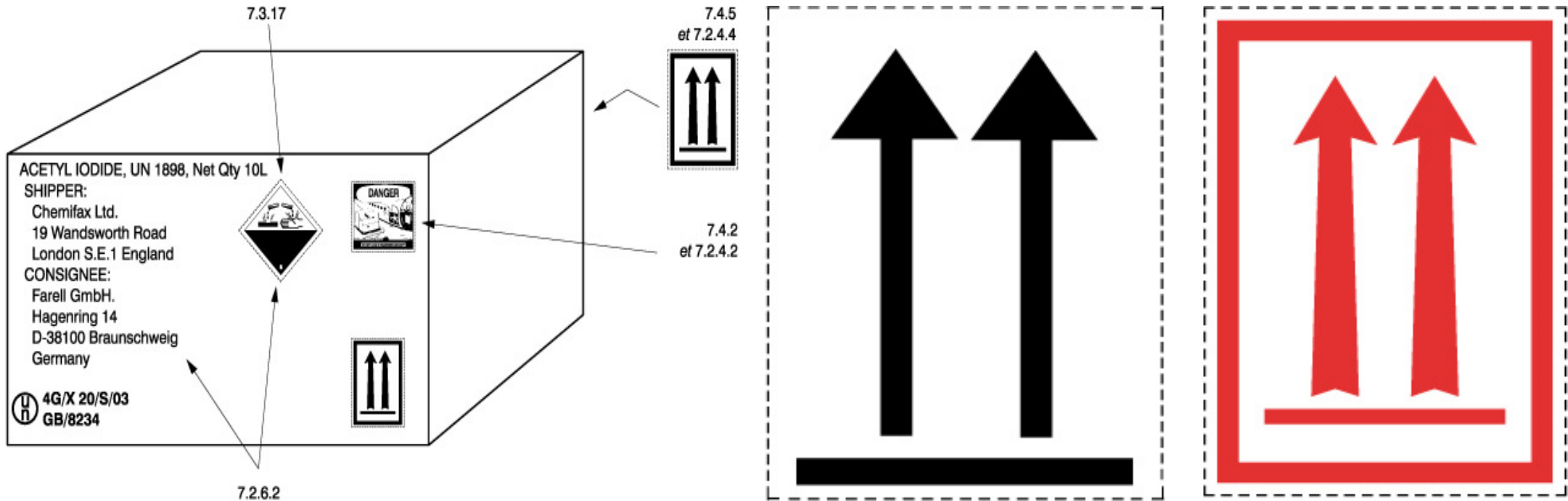


PART 5 – SHIPPER'S RESPONSIBILITIES - LABELLING

➤ General requirements:

✓ The **“Package orientation”** label, or **preprinted** package orientation labels meeting the same specification, must be affixed to or printed on **at least two opposite vertical sides** of the package with the arrows pointing in the correct direction

The words “Dangerous goods” may be inserted on the label below the line



PART 5 – SHIPPER’S RESPONSIBILITIES - LABELLING

➤ Special requirements for Class 7 – Radioactive Material:

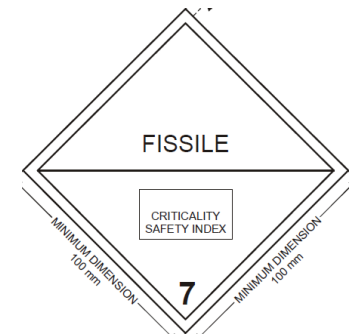
✓ Except when **enlarged** labels (**200mm X 200mm**) are used, each package, overpack and freight container containing radioactive material **must bear the radioactive labels** according to the appropriate **I, II or III** category



✓ Labels must be affixed to **two opposite sides** on the outside of the **package**, or on the outside of **all four sides** of a freight **container**

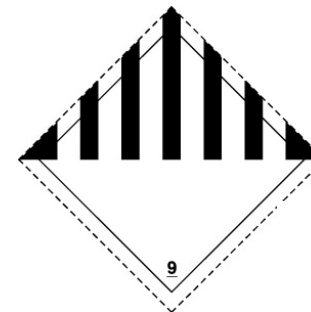
✓ Each **overpack** containing radioactive material must bear **at least two labels on opposite sides** of the outside of the overpack

✓ In addition, each package, overpack and freight container containing **fissile** material, other than fissile material excepted, must bear “fissile” label, adjacent to the required labels

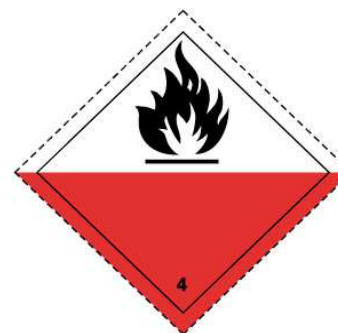


PART 5 – SHIPPER'S RESPONSIBILITIES - LABELLING

➤ Hazard labels - Examples

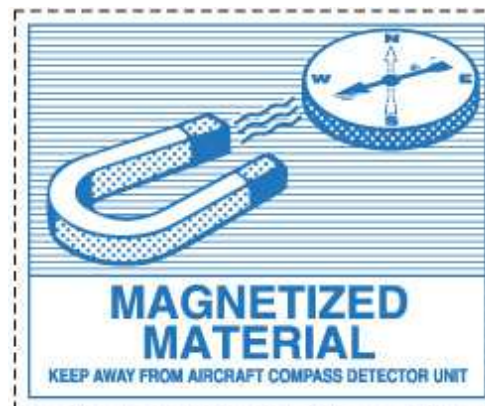
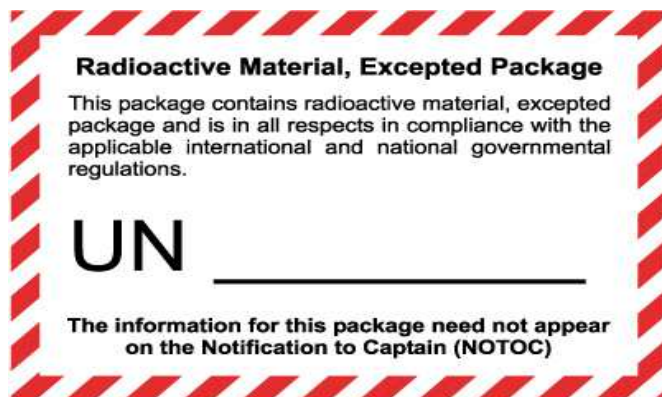
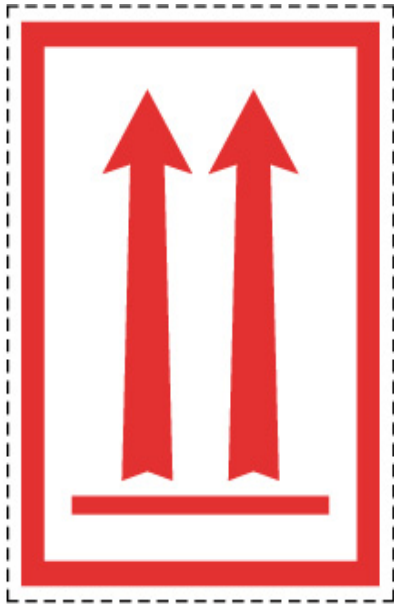


**9 Classes
16 Divisions**



PART 5 – SHIPPER'S RESPONSIBILITIES - LABELLING

➤ Handling labels



PART 5 – SHIPPER’S RESPONSIBILITIES - DOCUMENTATION

➤ General:

✓ The person who offers dangerous goods for transport by air must provide the information to the operator by means of a **paper** document or, where an agreement exists with the operator, by **Electronic Data Processing (EDP)** or **Electronic Data Interchange (EDI)** transmission techniques

✓ This document is called **“Shipper’s Declaration for Dangerous Goods”** or **DGD**

✓ Where a paper document is used, the shipper **must provide** to the operator **two copies**, completed and signed of the DGD

✓ Where the information is provided by EDP or EDI techniques, the data **must be able to be produced as a paper document** without delay

Note: A dangerous goods transport document may be in any form, provided it contains all of the information required by the Instructions

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper: _____ Air Waybill No. _____
Page of Pages _____
Shipper's Reference Number _____

Consignee: _____
For optional use for Company logo name and address

Two completed and signed copies of this Declaration must be handed to the operator.

TRANSPORT DETAILS
This shipment is within the limitations prescribed for: _____
(choose non-applicable) AIRCRAFT ONLY

Airport of Departure: _____

Airport of Destination: _____

Shipment type (where non-applicable): _____
NON-RAADIOACTIVE | RADIOACTIVE

NATURE AND QUANTITY OF DANGEROUS GOODS

UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Pack- ing Group	Quantity and type of packing	Packing Int.	Authorization

Additional Handling Information: _____

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 labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I declare that all of the applicable air transport requirements have been met.

Name/Title of Signatory: _____
Place and Date: _____
Signature: _____
(This marking alone)

PART 5 – SHIPPER'S RESPONSIBILITIES - DOCUMENTATION

➤ Information required on the DGD:

- ✓ **name** and **address** of the **shipper** and the **consignee**
- ✓ **UN** or **ID number** preceded by the letters "UN" or "ID" as appropriate
- ✓ **proper shipping name**, including the technical name enclosed in parenthesis, as applicable
- ✓ **primary hazard class or division** (including **compatibility group** for **Class 1**)
- ✓ **subsidiary hazard class or division**
- ✓ **packing group** (where assigned)

➤ Example:

- ✓ **UN 1992 Flammable liquid, Toxic, n.o.s (Petrol, Carbon tetrachlorid mixture) 3 (6.1) III**
- ✓ **UN 1717 Acetyl chloride, Class 3 (Class 8), PG II**
- ✓ **UN 2411 Butyronitrile 3 (6.1), GE II**

Note: this order shall be respect

PART 5 – SHIPPER'S RESPONSIBILITIES - DOCUMENTATION

➤ Information required on the DGD:

✓ **number of packages, type of packaging** (e.g. steel drum, fibreboard box, etc.) and **net quantity** of DG in each package (by volume or mass)

➤ Examples:

✓ UN 1263, Paint, 3, PG II, 5 fibreboard boxes x 5 L

✓ UN 1263, Paint, 3, PG II, 5 fibreboard boxes (4G) x 5 L

✓ UN 1263, Paint, 3, PG II, 5 fibreboard boxes x 5 L, 3 plastic drums x 40 L

➤ **Gross Mass:** when the **letter "G"** follows the quantity in column 11, **gross mass of each package** must be indicated, **rather than** the **net quantity**, for:

✓ limited quantities

✓ shipments made under provisions of Section IB of Packing Instruction 965 (UN 3480, Lithium ion batteries) and Packing Instruction 968 (UN 3090, Lithium metal batteries) **BUT ...**

Except when indicated 30 kg G where different dangerous goods are packed together in the same outer packaging

→ net quantity + gross mass of the completed package !

PART 5 – SHIPPER’S RESPONSIBILITIES - DOCUMENTATION

➤ Information required on the DGD:

- ✓ for **empty uncleaned packagings**, only the number and type of packagings need be shown
- ✓ for **chemical kits and first aid kits**, the total net mass of dangerous goods
- ✓ for **dangerous goods in machinery or apparatus**, the individual total quantities of dangerous goods in solid, liquid or gaseous state, contained in the article
- ✓ for **dangerous goods transported in salvage packagings**, an estimate of the quantity of dangerous goods must be given, + the words “Salvage package”
- ✓ for **explosive articles of Class 1**, the net quantity indicated for each package must be supplemented with the net explosive mass (abbreviations “NEQ”, “NEM” or “NEW”)
- ✓ for **fireworks** (UN 0336 or UN 0337), a classification reference issued by the appropriate national authority

PART 5 – SHIPPER'S RESPONSIBILITIES - DOCUMENTATION

➤ Information required on the DGD:

- ✓ for **chemical oxygen generators** contained in protective breathing equipment (**PBE**) transported under SP A144, the statement "**Aircrew protective breathing equipment (smoke hood) in accordance with Special Provision A144**" must be included on the dangerous goods transport document
- ✓ for **self-reactive substances of Division 4.1**, or **organic peroxides of Division 5.2** or other **substances having similar properties**, the shipper must indicate on the DGD that the packages must be **protected** from **direct sunlight** and all sources of **heat** and be placed in **adequately-ventilated areas** (Application of **SP A20**, + special conditions for non-listed 4.1 & 5.2 when approval is required, and for sample of 4.1 & 5.2 - see 4.1.5.4)
- ✓ for **infectious substances** (UN **2814** and UN **2900**) and **controlled substances**, the **name** and **telephone number** of a responsible person

PART 5 – SHIPPER'S RESPONSIBILITIES - DOCUMENTATION

➤ Information required on the DGD: **Radioactive Material**

- ✓ **name** or **symbol** of **each radionuclide**, (for mixtures of radionuclides, appropriate general description or a list of the most restrictive nuclides)
- ✓ **description** of the **physical and chemical form** of the material, **or** a **notation** that the material is **special form** radioactive material or **low dispersible** radioactive material
- ✓ **maximum activity** of the radioactive contents during transport, in units of **becquerels (Bq)** with an appropriate SI prefix symbol
For **fissile** material, the **mass** of fissile material in units of **grams (g)**
- ✓ **category** of the package, i.e. I-WHITE, II-YELLOW, III-YELLOW
- ✓ **transport index** (categories II-YELLOW and III-YELLOW only)
- ✓ **CSI** criticality safety **index**, where applicable
- ✓ **identification mark** for each **competent authority certificate of approval** for the shipment (special form, low dispersible, fissile excepted, special arrangement, package design, or shipment)
- ✓ **see 4.1.5.7**

PART 5 – SHIPPER'S RESPONSIBILITIES - DOCUMENTATION

- Information required on the DGD: (additional requirements)
- ✓ DGD must also contains:
 - for **lithium batteries Section IB** of Packing Instruction **965** or Packing Instruction **968**, the **letters "IB"** must be added following the packing instruction number
 - when applicable, reference to **Special Provision A1, A2, A4, A5, A51, A78, A190, A191, A201, A202, A208, A211 or A212**
 - a statement indicating that the shipment is within the limitations prescribed for either **passenger and cargo aircraft** or **cargo-only aircraft**, as appropriate
 - **special handling information**, when appropriate
 - an **indication** that an **overpack** has been used, when appropriate
 - the **"Q" value** rounded up to the first decimal place, when appropriate
- Each time an **Approval** or **Exemption** is needed, a **copy must accompanied the DGD** (i.e. SP A1 or A2, Portable Tank as state in S-4, alternative packagings, not-listed 4.1 & 5.2)

PART 5 – SHIPPER’S RESPONSIBILITIES - DOCUMENTATION

➤ Information required on the DGD:

✓ DGD must include a **Certification or Declaration**

“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/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.”

✓ For **air transport** the following additional **statement is required:**

“I declare that all of the applicable air transport requirements have been met.”

✓ The certification must be **signed** and **dated** by the **shipper**

✓ **Facsimile signatures** are **acceptable** where applicable laws and regulations recognize the legal validity of facsimile signatures.

PART 5 – SHIPPER'S RESPONSIBILITIES - DOCUMENTATION

➤ Information required on the DGD:

✓ If the dangerous goods documentation is presented to the operator by means of **EDP or EDI transmission techniques**:

–the **signature(s) may be electronic** signature(s) or **may be replaced** by the **name(s) (in capitals)** of the person authorized to sign

– as the consignment is transhipped to an operator that requires a paper dangerous goods transport document, the **operator must ensure** the **paper document indicates "Original Received Electronically"** and the name of the signatory must be shown in capital letters

→In addition to the languages which may be required by the State of Origin, **English should be used** for the dangerous goods transport document

→ **shipper must retain a copy** of the DGD (at least **3 months**), and be able to **reproduce** it in a printed form when kept electronically or in a computer system

PART 5 – SHIPPER'S RESPONSIBILITIES - DOCUMENTATION

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper ABC Company 1000 High Street Youngville, Ontario Canada		Air Waybill No. 800 1234 5686 Page 1 of 1 Pages Shipper's Reference Number (optional)				
Consignee CBA Lte 50 Rue de la Paix Paris 75 006 France		For optional use for Company logo name and address				
Two completed and signed copies of this Declaration must be handed to the operator.		WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties.				
TRANSPORT DETAILS This shipment is within the limitations prescribed for (delete non-applicable)						
Airport of Departure: Youngville		Airport of Destination: Paris, Charles de Gaulle				
<input type="checkbox"/> PASSENGER AND CARGO AIRCRAFT ONLY <input checked="" type="checkbox"/> CARGO AIRCRAFT ONLY		Shipment type: (delete non-applicable) <input checked="" type="checkbox"/> NON-RADIOACTIVE <input type="checkbox"/> RADIOACTIVE				
NATURE AND QUANTITY OF DANGEROUS GOODS 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
UN1818	Propyltrichlorosilane	8 (3)	II	3 Plastic Drums x 30 L	813	
UN3226	Self-reactive solid type D (Benzenesulphonyl hydrazide)	Div. 4.1		1 Fibreboard box x 10 kg	430	
UN1263	Paint	3	II	2 Fibreboard boxes x 4 L	306	
UN1263	Paints	3	III	1 Fibreboard box x 30 L	309	
UN3166	Vehicle, flammable liquid powered	9		1 automobile 1350 kg G	900	
UN3318	Chemical kits	9	II	1 Fibreboard box x 3 kg	915	
UN2794	Batteries, wet, filled with acid	8		1 Wooden box 50 kg G	800	
Additional Handling Information The packages containing UN3226 must be protected from direct sunlight, and all sources of heat and be placed in adequately ventilated areas. 24-hour Number: +1 905 123 4567						
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/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I declare that all of the applicable air transport requirements have been met.				Name/Title of Signatory B. Smith, Dispatch Supervisor Place and Date Youngville 1 January 2009 Signature (see warning above) <i>B. Smith</i>		

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper ADVANCED CHEMICAL CO. 345 MAIN STREET REIGATE, SURREY, ENGLAND		Air Waybill No. 800 1234 5686 Page 1 of 1 Pages Shipper's Reference Number (optional) 1213 / A12				
Consignee ABC Co.Ltd. 1000 HIGH STREET ATHENS, GREECE		For optional use for Company logo name and address				
Two completed and signed copies of this Declaration must be handed to the operator.		WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties.				
TRANSPORT DETAILS This shipment is within the limitations prescribed for (delete non-applicable)						
Airport of Departure: LONDON		Airport of Destination: ATHENS				
<input type="checkbox"/> PASSENGER AND CARGO AIRCRAFT ONLY <input checked="" type="checkbox"/> CARGO AIRCRAFT ONLY		Shipment type: (delete non-applicable) <input checked="" type="checkbox"/> NON-RADIOACTIVE <input type="checkbox"/> RADIOACTIVE				
NATURE AND QUANTITY OF DANGEROUS GOODS 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
UN2918	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE	7		IRIDIUM - 192 SPECIAL FORM 1 TYPE B(U) PACKAGE X 1.925 TBq	II-YELLOW T130 DIM 30x30 X40CM	SPECIAL FORM CERTIFICATE NO 9999 TYPE B(U) PACKAGE CERTIFICATE UK1736/ B(U)S ATTACHED
Additional Handling Information						
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/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I declare that all of the applicable air transport requirements have been met.				Name/Title of Signatory A. BROWN, SHIPPING MANAGER Place and Date REIGATE, 1 JAN 2009 Signature (see warning above) <i>A. Brown</i>		

PART 5 – SHIPPER’S RESPONSIBILITIES - DOCUMENTATION

➤ Air Waybill:

✓ The air waybill **must contain** a **statement** to indicate that the dangerous goods are described on an accompanying dangerous goods transport document (DGD)

Airport of Destination			Requested Flight/Date			Amount of Insurance		INSURANCE - If carrier offers insurance, and such insurance is requested in accordance with the conditions thereof, indicate amount to be insured in figures in box marked "Amount of Insurance".	
Handling Information									
Dangerous Goods as per attached Shipper's Declaration									SCI
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Chargeable Weight	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)-		
			Commodity Item No.		Charge				
							Chemicals		

✓ The air waybill **must**, when applicable, **indicate** that the consignment must be loaded on **cargo aircraft only**

Airport of Destination			Requested Flight/Date			Amount of Insurance		INSURANCE - If carrier offers insurance, and such insurance is requested in accordance with the conditions thereof, indicate amount to be insured in figures in box marked "Amount of Insurance".	
Handling Information									
Dangerous Goods as per attached DGD - Cargo Aircraft Only									SCI
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Chargeable Weight	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)		
			Commodity Item No.		Charge				
							Ammunition		

Thank you for your attention



www.eu-sea-app.org

easa.europa.eu/connect



Your safety is our mission.

An Agency of the European Union 