



PARTNER PRESENTATIONS

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Dangerous Goods for Couriers

National Courier & Despatch Association

8th February 2025

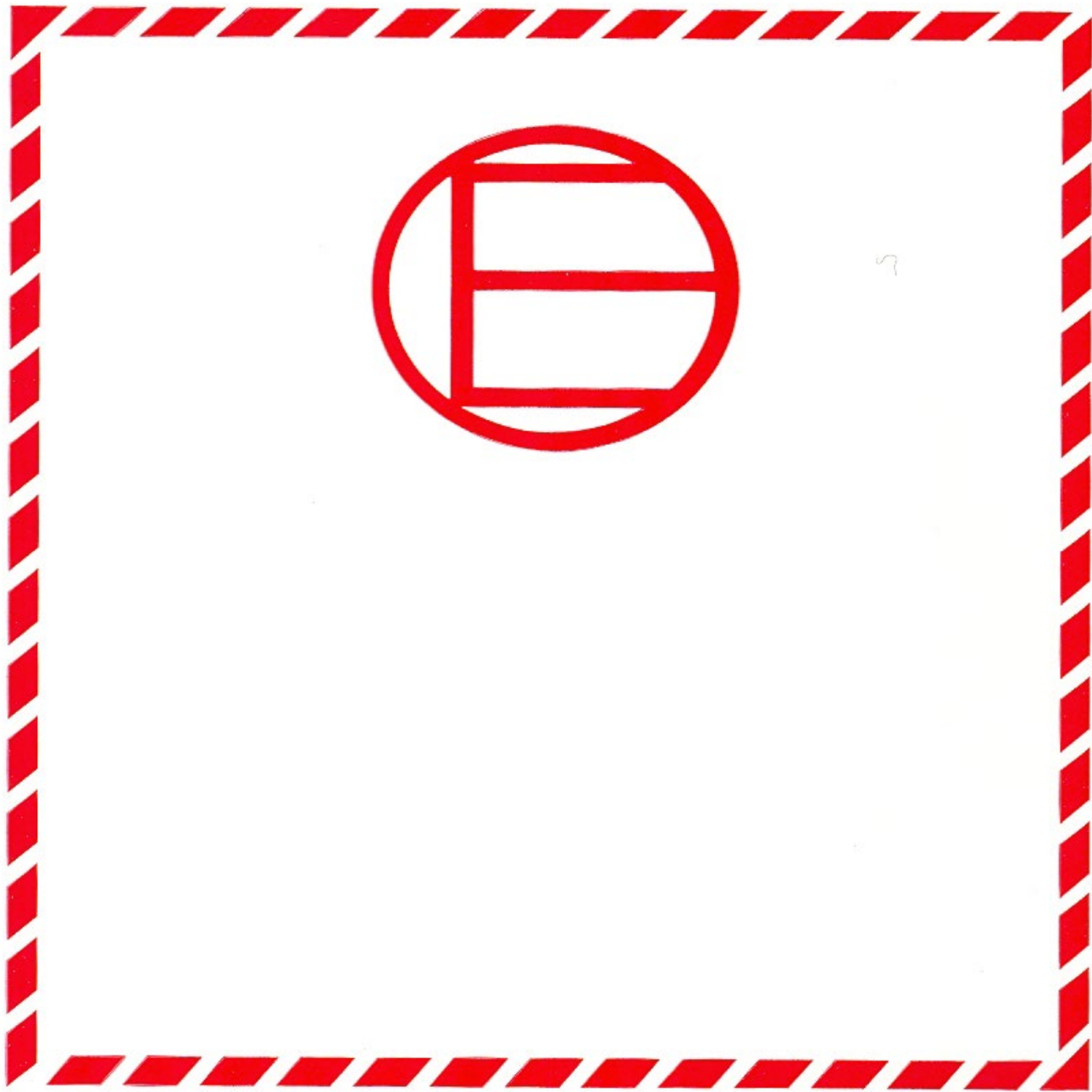
Nicholas Mohr, Peter East Associates

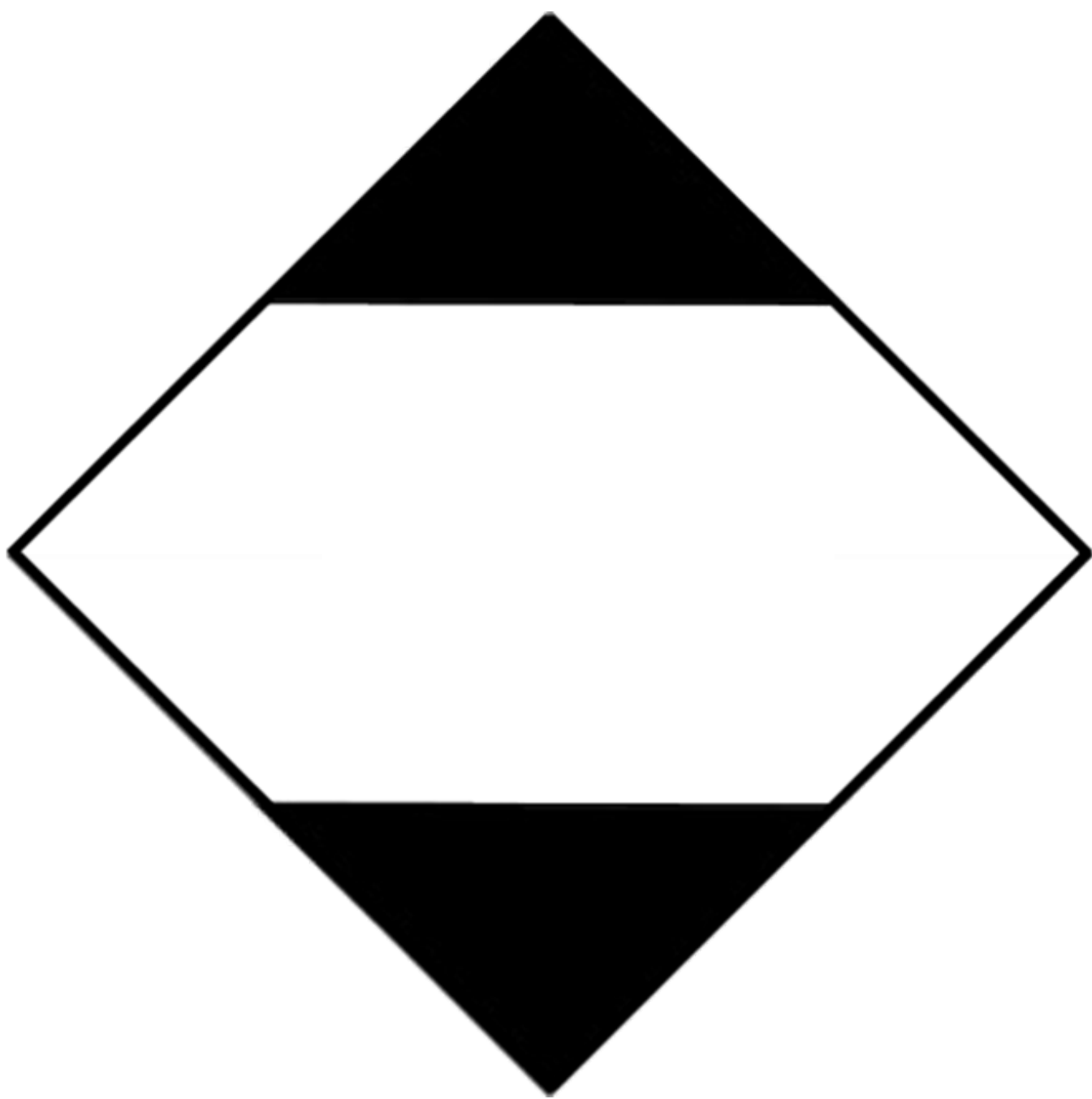


Topics



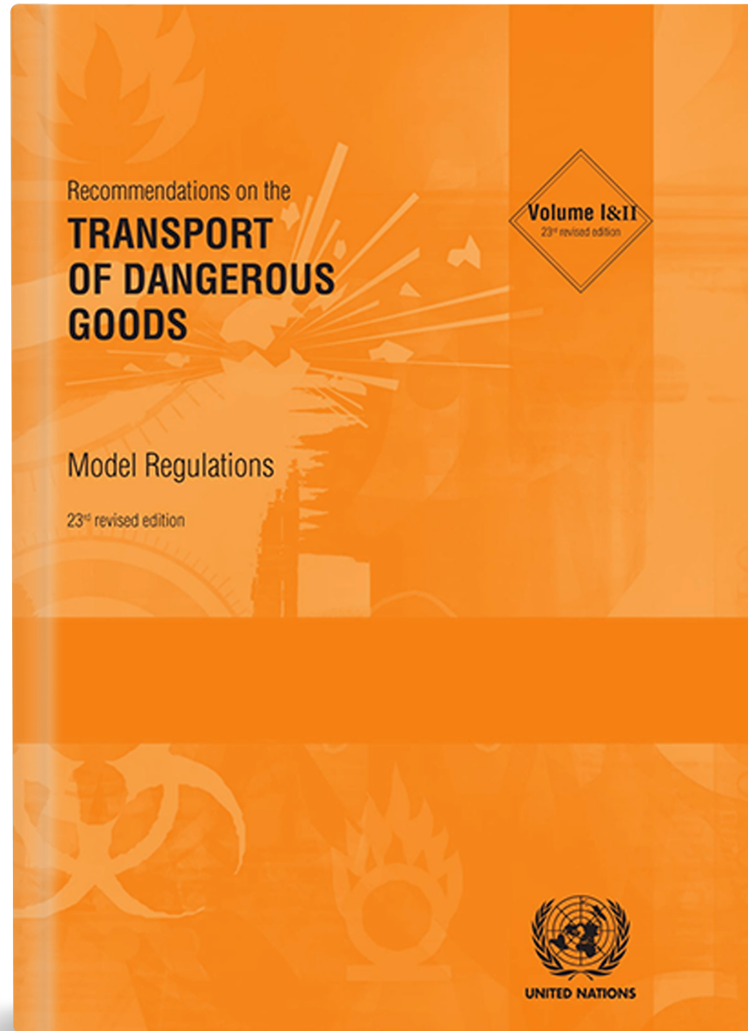
- Regulatory framework
- Dangerous goods incidents
- Hazard classes
- Easy Wins
 - Excepted Quantities
 - Limited Quantities
 - Lithium Batteries
 - Dangerous Goods Security







UN Recommendations



Road Transport





ADR

Dangerous Goods travelling by road within Europe are subject to ADR
Effective 1 January 2025
Mandatory 1 July 2025
(Transitional period of six months)

Road Transport





Department for Transport

Carriage of Dangerous Goods: Approved Derogations and Transitional Provisions



United Kingdom

Updated 30 June 2023



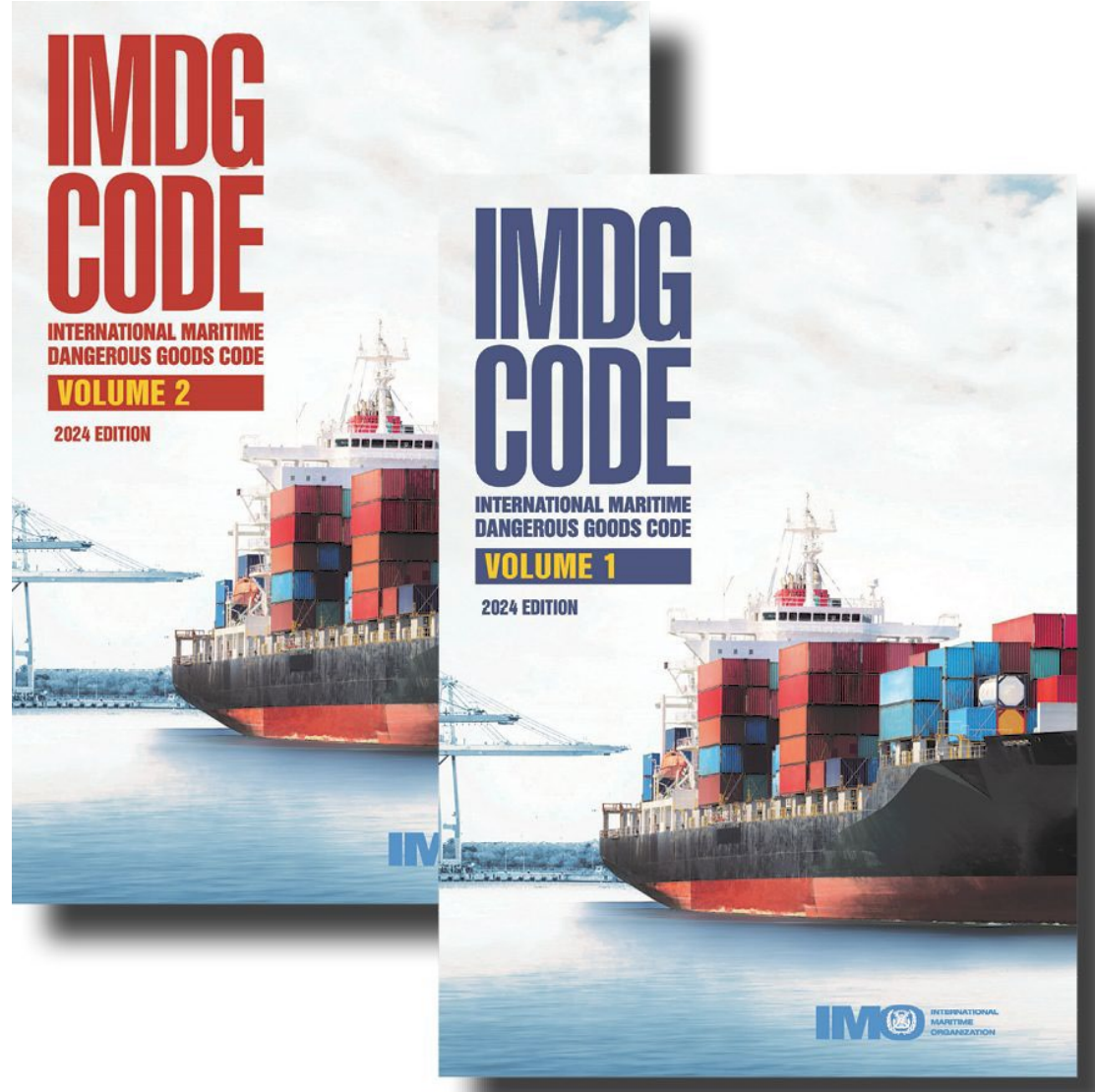
Sea Transport





IMDG

Dangerous Goods travelling by sea are subject to the International Maritime Dangerous Goods Code Amendment – 42-24
Effective 1 January 2025
Mandatory 1 January 2026
(Transitional period of twelve months)



Air Transport





IATA

The field documents used for dangerous goods travelling by air are the International Air Transport Association (IATA) Dangerous Goods Regulations 66th Edition

Effective 1 January 2025

Mandatory 1 January 2025

(No transitional period)

Air Transport





Express Pearl 20 May 2021



Express Pearl 20 May 2021



Bolloré

Baltimore Bridge Collapse March 2024



Hwaseong
Factory Fire
24 June 2024





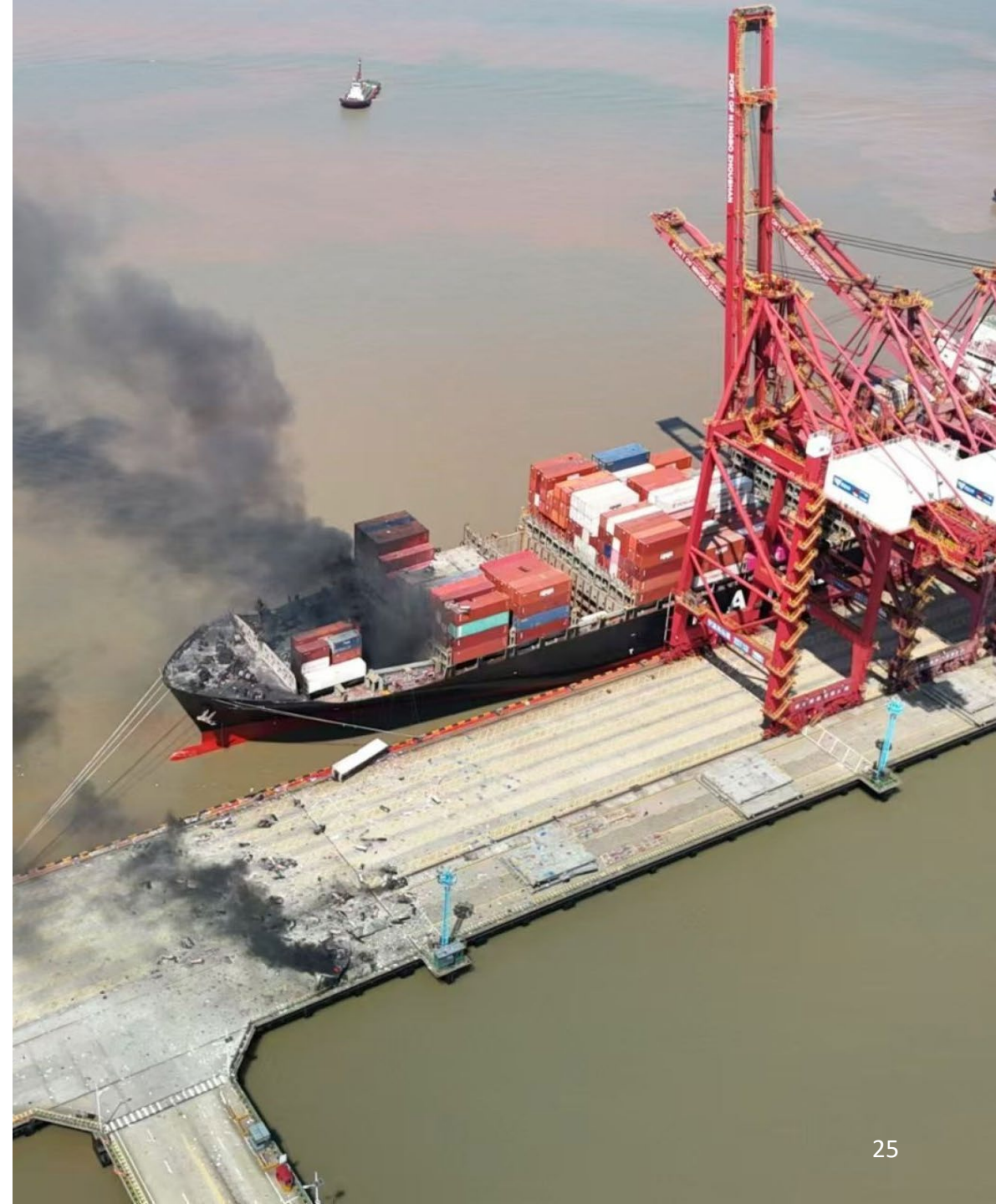
Maersk Frankfurt Fire 19 July 2024



Maersk Frankfurt 19 July 2024

Yang Ming Mobility
Explosion at
Ningbo-Zhoushan
Port

10 Aug 2024





ANTON delivers

Felicity Ace

16 Feb 2022






Garuda Indonesia

SAMSUNG
GALAXY NOTE 7
IS
NOT ALLOWED
TO BE CHECKED IN OR USED
(TURNED ON OR CHARGED)
ON BOARD
GARUDA INDONESIA FLIGHTS.

Samsung



Dustbin Explosion

Health and Safety Executive



The HSE publish dangerous goods vehicle prosecutions arising from vehicle checks:

	A	B	C	D	E
1	Name	Address	Date Issued	Issued by	Comments
2	Michael Pidsley & Son	Honiton, Devon	13/01/2022	Bridgwater Police Centre	Fire extinguishers not in full compliance due to NSD on 2 of the 3 carried.
3	Global Cargo Solutions	Burton-on-Trent, Staffordshire	20/01/2022	Central Motorway Police Group	No indication/details of goods being carried. Nature and quantity of goods cannot be readily identified, preventing a correct response in an emergency
4	Global Cargo Solutions	Burton-on-Trent, Staffordshire	20/01/2022	Central Motorway Police Group	No instructions in writing
5	Global Cargo Solutions	Burton-on-Trent, Staffordshire	20/01/2022	Central Motorway Police Group	Placards for Class 3 displayed, when not required.
6	Fire Protection Recycling Ltd	Oldbury, West Midlands	17/01/2022	Thames Valley & Hampshire Police	No or inappropriate details of nature and quantity of dangerous goods specified on ADR 5.4
7	Williams Shipping Holdings Ltd	Millbrook, Southampton	18/01/2022	Hampshire Constabulary	Load integrity presents danger but can be easily remedied by driver. Trailer is not XL rated and therefore the load could shift and may result in injury
8	Geo. Siddall (Transport) Ltd	Matlock, Derbyshire	11/01/2022	Thames Valley Police	Unless provided elsewhere, the UN no. corresponding to the dangerous goods carried, should be clearly marked on each package. In the event of an emergency, the items, classification and identification of the dangerous goods being carried could not be identified by emergency services.
9	Fire Protection Recycling Ltd	Oldbury, West Midlands	13/01/2022	Thames Valley & Hampshire Police	Less fire extinguishers than required.
10	Rockley Transport Ltd	Sudbury, Suffolk	05/01/2022	DVSA	Inadequate tanker placarding could prevent the emergency services from identifying the risks and taking appropriate action in the event of an incident
11	Geri V 2000 OOD	Blagoevgrad, Bulgaria	08/01/2022	DVSA	The vehicle is not placarded and/or plated as required
12	Mick Foster Ltd	Hull, East Riding of Yorkshire	10/01/2022	DVSA	The vehicle was not carrying any/sufficient fire extinguishers/or the fire extinguisher was fully or partially discharged
13	Guardian Gas	Bridgend, Wales	11/01/2022	DVSA	The vehicle was not carrying any/sufficient fire extinguishers/or the fire extinguisher was fully or partially discharged
14	A Higgins Ltd	Pontefract, West Yorkshire	12/01/2022	DVSA	The vehicle was not carrying any/sufficient fire extinguishers/or the fire extinguisher was fully or partially discharged
15	Lavinar Trans SRL	Jebel, Romania	17/01/2022	DVSA	The vehicle was not carrying any/sufficient fire extinguishers/or the fire extinguisher was fully or partially discharged
16	GR8 Developments Ltd	Glenrothes, Fife, Scotland	17/01/2022	DVSA	The transport documentation on the vehicle does not include information on measures to be taken by the driver in the event of an accident or emergency concerning the goods being carried
17	GR8 Developments Ltd	Glenrothes, Fife, Scotland	17/01/2022	DVSA	The transport documentation on the vehicle does not include relevant information about the dangerous goods being carried
18	Atana Ltd	Bardon, Leicestershire	18/01/2022	DVSA	The vehicle was not carrying any/sufficient fire extinguishers/or the fire extinguisher was fully or partially discharged
19	Freeland Freight Service Ltd	Aberdeen, Scotland	18/01/2022	DVSA	The load is not properly stowed and secured on the vehicle to prevent them from being significantly displaced, thus increasing risks of loss or damage
20	TSE Ltd	Walsby, Leicestershire	18/01/2022	DVSA	The fire extinguishers were not readily available for immediate use

The Nine Classes of Dangerous Goods



Class 1	Explosive substances and articles
Class 2	Gases
Class 3	Flammable liquids
Class 4	Flammable solids
Class 5	Oxidizing substances & Organic peroxides
Class 6	Toxic & infectious substances
Class 7	Radioactive material
Class 8	Corrosive substances
Class 9	Miscellaneous dangerous substances and articles

Class 2 Gases



Class 3 Flammable Liquids



Class 6.2 – Infectious Substances



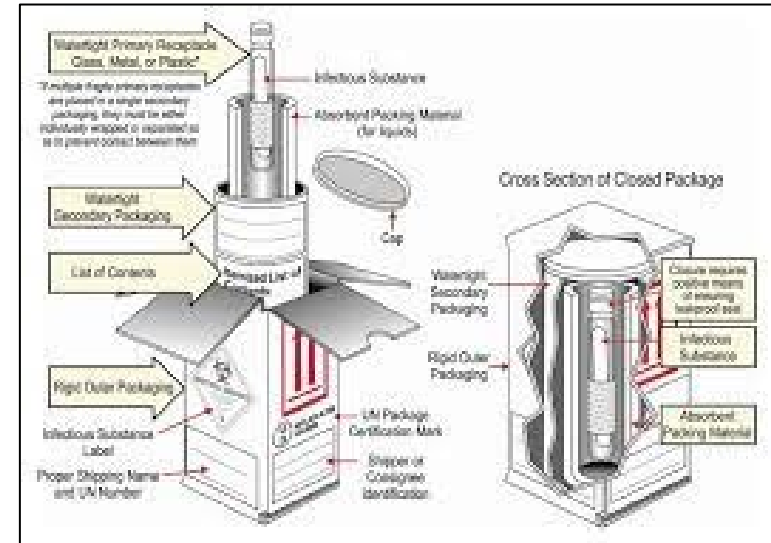
- Micro-organisms containing disease-causing (pathogenic) bacteria, parasites, viruses and fungi.

- **Category A:** Can cause death or serious illness

UN 2814 / 2900

- **Category B:** Does not cause death or serious illness

UN 3373



Class 8 Corrosives



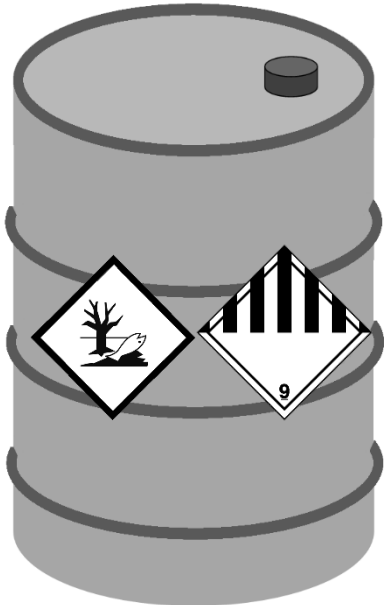
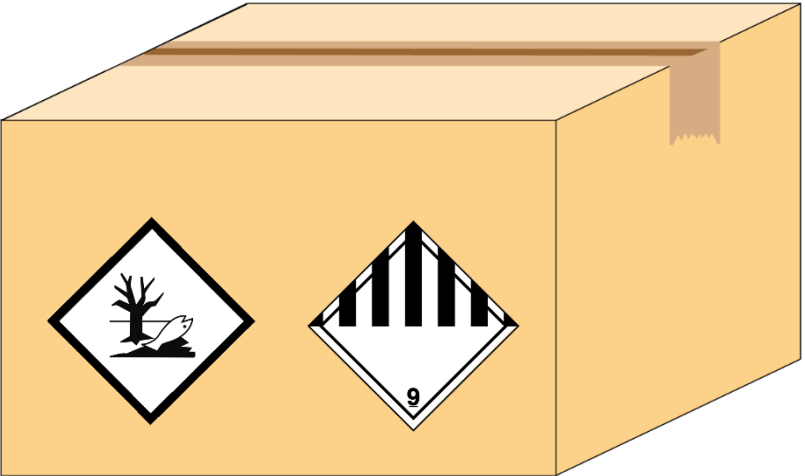
Class 9 Miscellaneous dangerous substances and articles



Class 9 - IMDG Chapter 2.10

Marine pollutants

Substances that are designated by "P" in Column 4 of the Dangerous Goods List or that meet the criteria of the MARPOL convention shall be documented and marked with the "MARINE POLLUTANT" dead fish/dead tree symbol.



ADR Column by Column – UN1760



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packing		
							(7a)	(7b)	Packing Instructions	Special packing Provisions	Mixed packing provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	9	(9a)	(9b)
1760	CORROSIVE LIQUID N.O.S.	8	C9	III	8	274	5 L	E 1	P001 IBC03 LP01 R001		MP19

Table 3.5.1.2 Excepted Quantity Limits

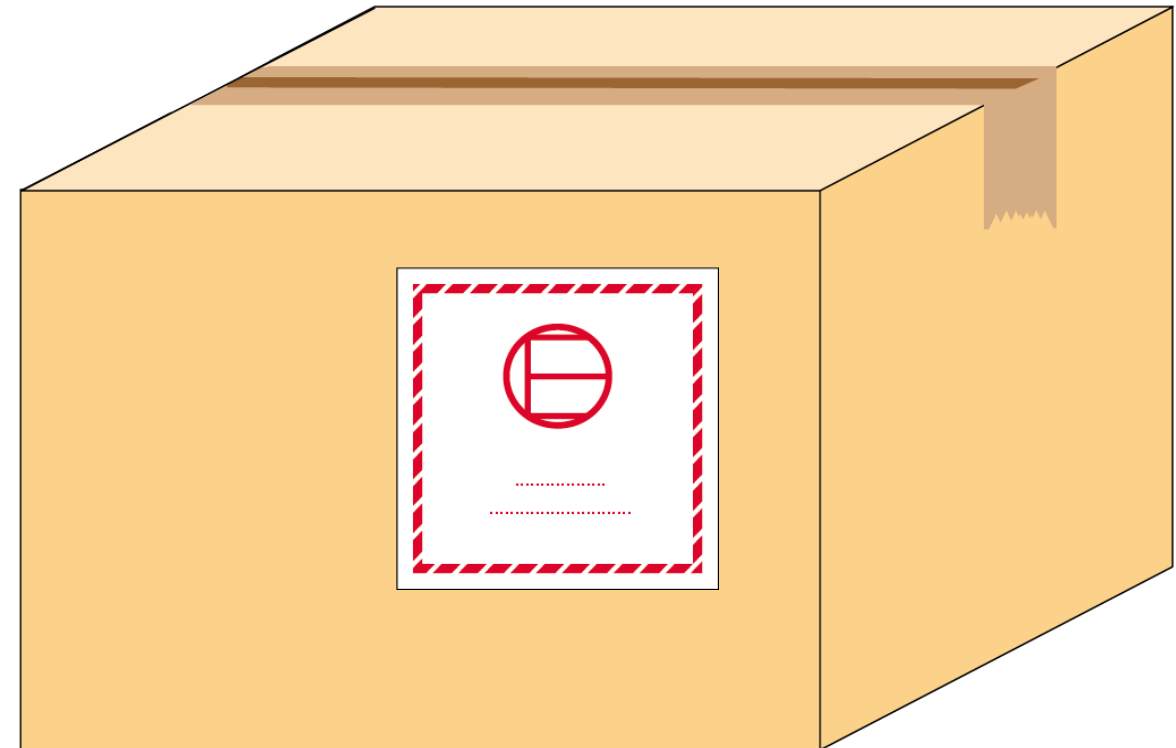


Code	Maximum net quantity per inner packaging in grams for solids and ml for liquids and gases	Maximum net quantity per outer packaging in grams for solids and ml for liquids and gases, or sum of grams and ml in the case of mixed packaging
EO	Not permitted as Excepted Quantity	
E1	30	1000
E2	30	500
E3	30	300
E4	1	500
E5	1	300

Excepted Quantities 3.5. (ADR)



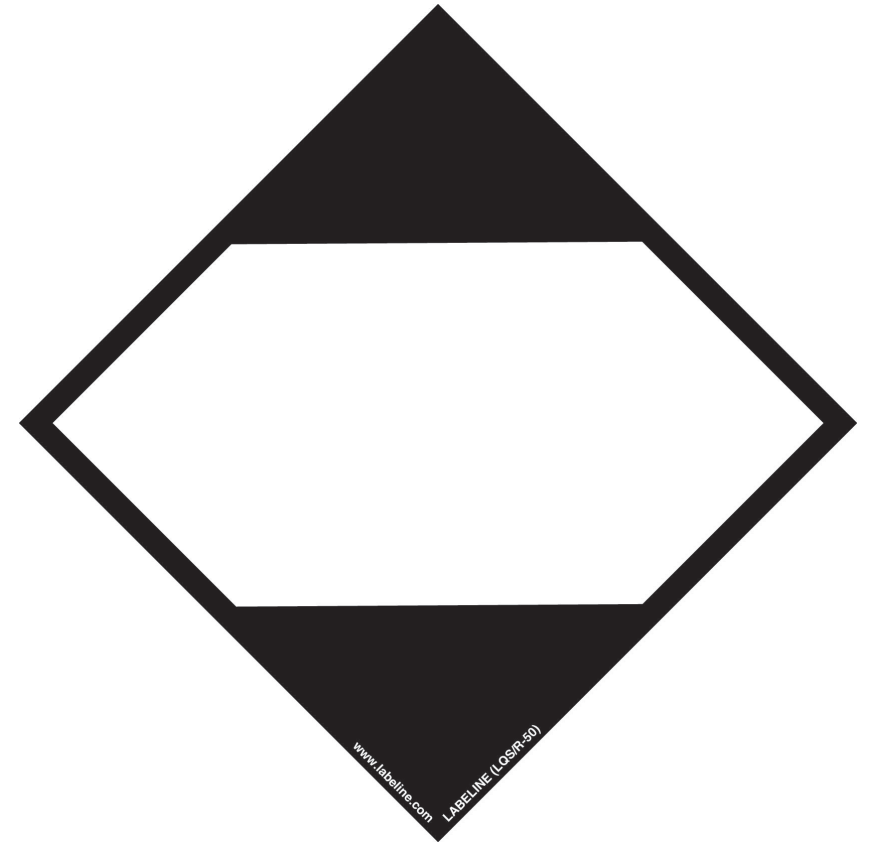
- Dangerous goods in excepted quantities assigned to codes E1, E2, E4 and E5 are exempt from the regulations if:
- The outer packaging does not exceed 100 ml for liquids and 100 g for solids.
- The packages are tested in accordance with the Excepted Quantity provisions (3.5.3 ADR).
- The provisions of 3.5.2 are met, although intermediate packagings are not required if the inner packagings are securely packed in an outer packaging with cushioning material.



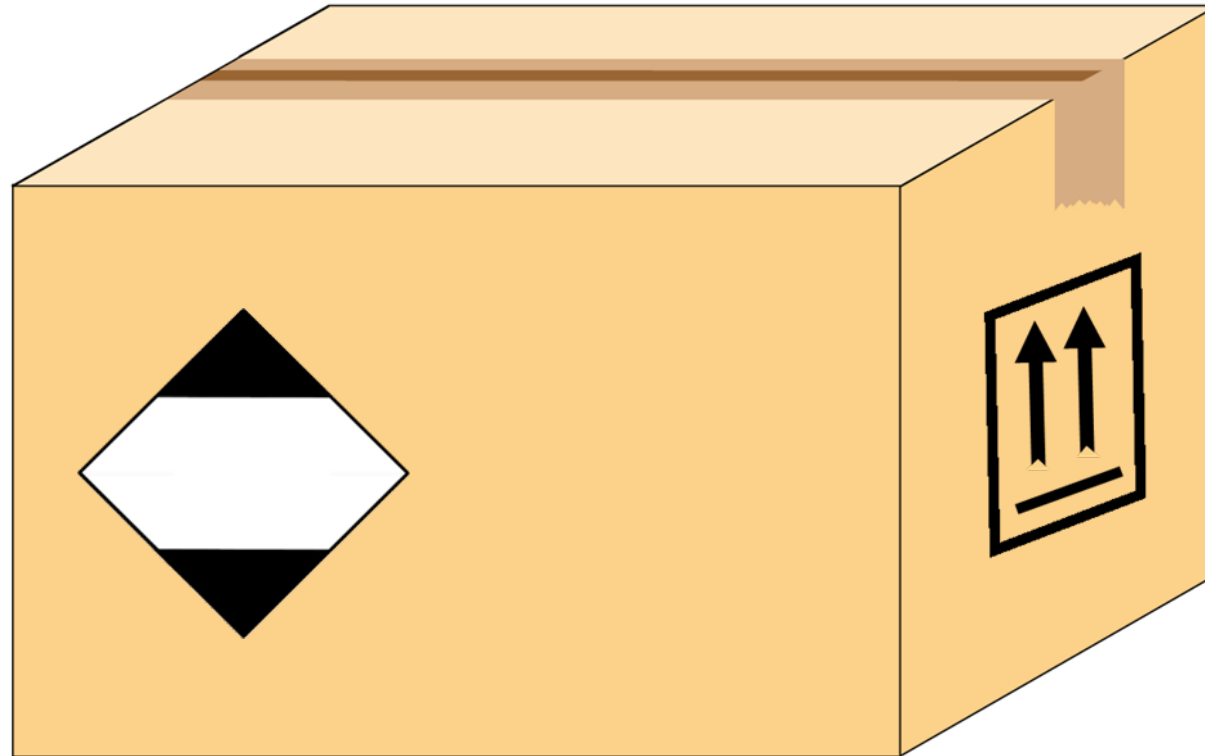
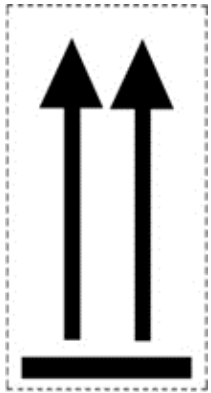
Limited Quantities – ADR



- Limited Quantity mark – black and white diamond on package.
- For more than one UN number in a package, the same mark is used.
- Consignor to inform the carrier of the total gross mass of the limited quantity shipments. Maximum weight 30 kilos.



Example Limited Quantity Packaging for ADR



Inner Packages Packed with Vermiculite



Advantages of Limited Quantities rules:



- Allows dangerous goods sold through retail outlets to be transported with minimum road, sea and air transport restrictions
- Allows simplified marking requirements – cost reduction
- Does not require UN-tested packaging – cost reduction
- Training commensurate with responsibilities for drivers and office personnel

ADR exemptions also reduce duties on road carriers



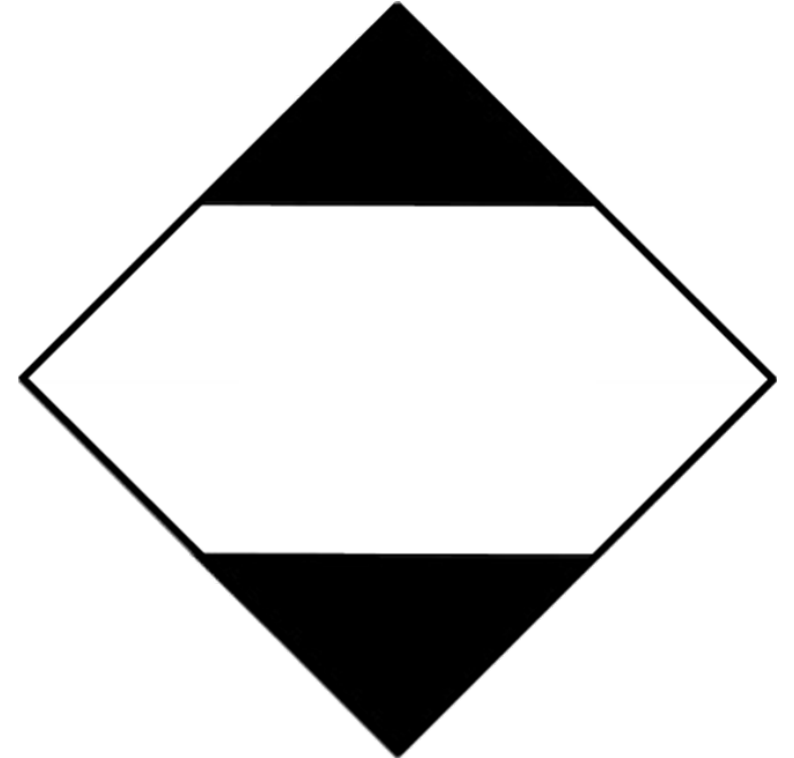
- Transport document is not required on the vehicle
 - The shipper is only required to notify the carrier of the total number of packages and quantity of dangerous goods in Limited Quantities
- ADR trained driver is not required , but driver and staff must receive training appropriate to their responsibilities and duties (ADR 8.2.3)
- ADR vehicle is not required
- No marks on the vehicle are required

Limited Quantities ADR Training

In ADR 3.4, the following reference has been added to the relevant provisions of ADR that apply to shipments of limited quantities –

(h) Part 8 **8.2.3**

Training of persons other than the drivers holding a certificate in accordance with 8.2.1, involved in the carriage of dangerous goods by road.



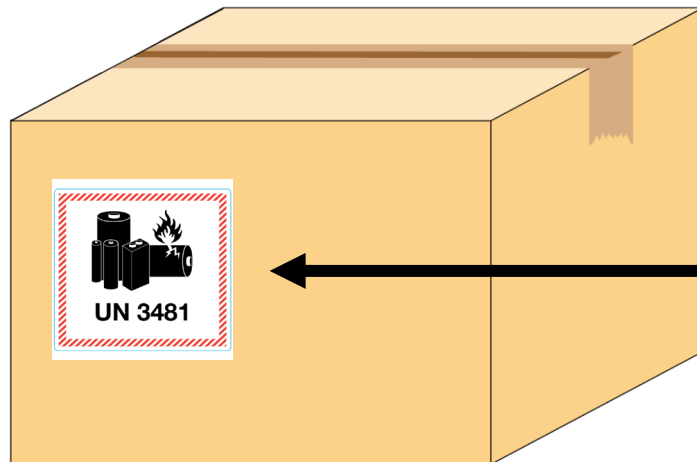
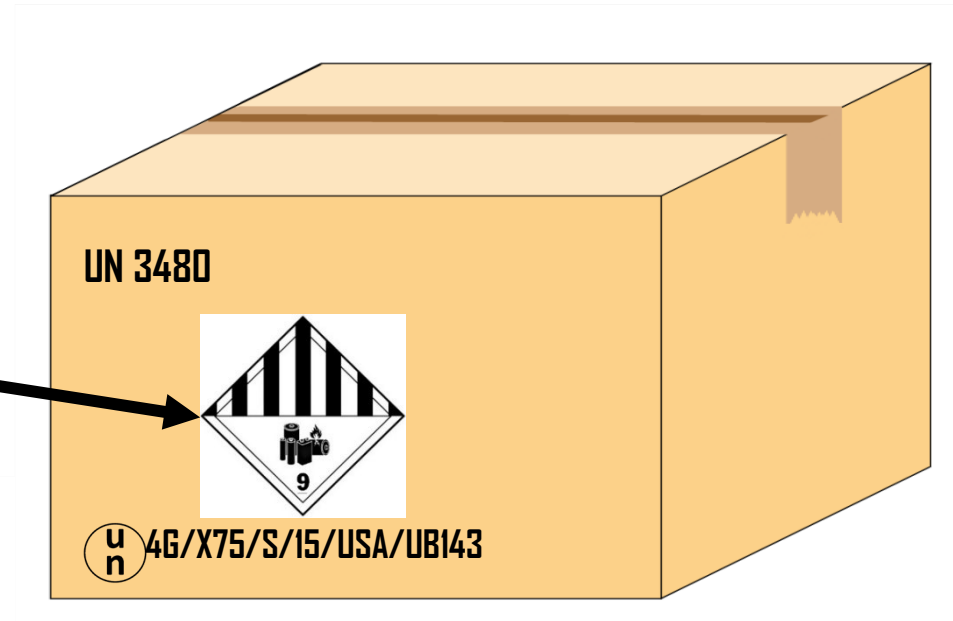
Lithium & Sodium Ion Batteries



ADR Lithium Ion Batteries



Label 9a for fully regulated lithium ion batteries
(DG List Column 5)

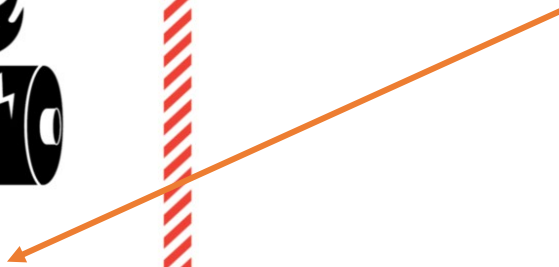


Lithium ion batteries under SP188 Mark for lithium ion batteries of < 100 W/hrs or lithium metal batteries of < 2 grams lithium metal

Lithium Batteries Special Provision 188



Insert the UN Number

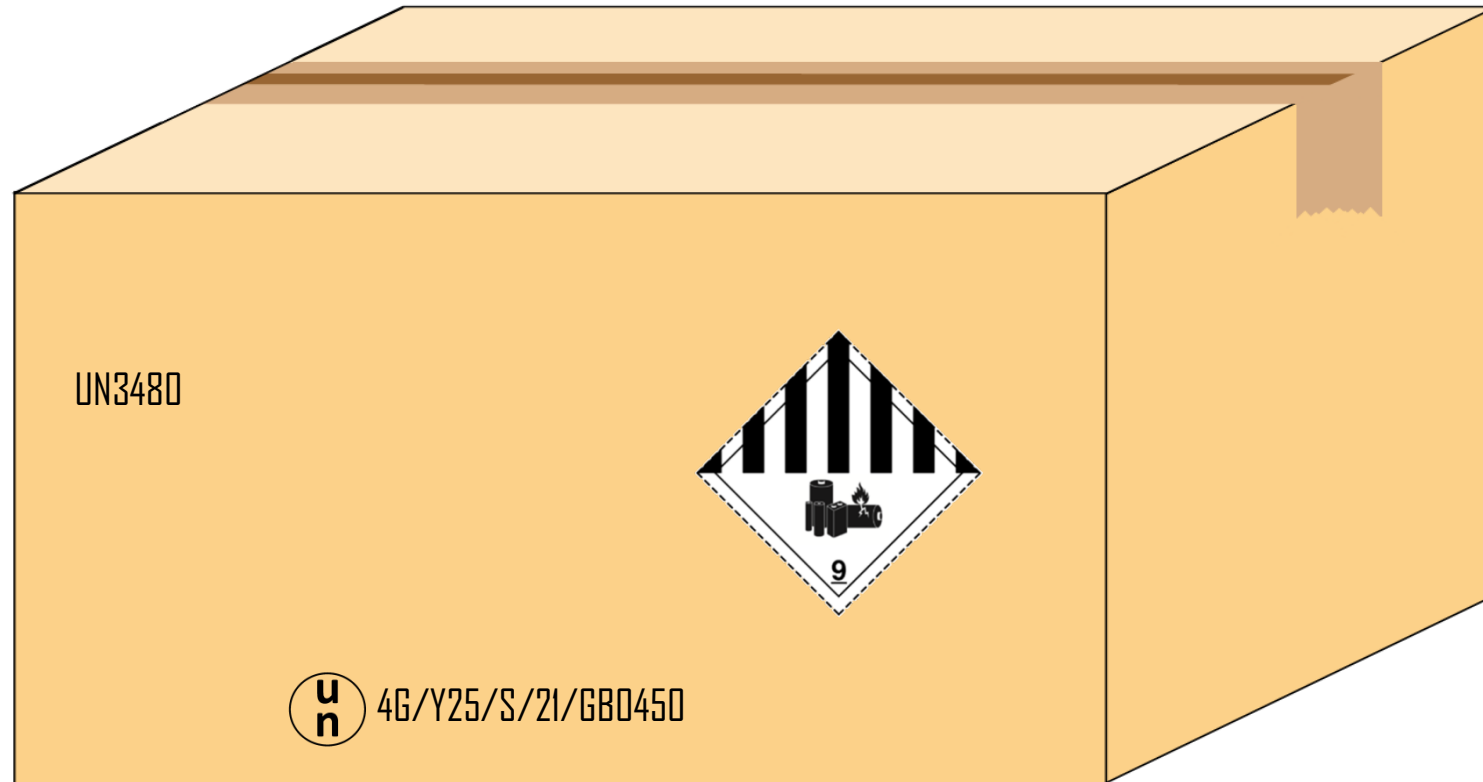


Lithium Battery or Sodium Ion Battery Label



This is the new name for what was previously called the lithium battery label.

Example of Lithium Ion Batteries in UN Specification Packaging for ADR



Transport Document ADR



© SITPRO 2009 **DANGEROUS GOODS NOTE**

Exporter		Container reference/status			
Booking Number		Exporter's reference		Forwarder's reference	
Compline		DSDA Notifications (in accordance with DSDA Regulations (as amended) given by:			
Freight forwarder		Structural carrier			
Other UK transport details (eg ICAI terminal, vehicle Reg. ref. receiving date)		For use of: <i>maritime industry only</i>			
Vessel		Port of loading		I hereby declare that the contents of this consignment are fully and accurately described below by the proper shipping name, and are classified, packaged, marked and labelled/stencilled and are in all respects in proper condition for transport according to the applicable international and national governmental regulations and in accordance with the provisions shown overleaf. The shipper must complete and sign box 17.	
Port of discharge		Destination		TO THE RECEIVING AUTHORITY Please receive for deposit the goods described below subject to your published regulations and conditions (including those as to liability)	
Shippers marks Number and kind of packages, description of goods (SPECIFY), UN No., Proper Shipping Name, Class/Division(s), Packing Group. Additional information may be required depending on the mode and/or substance		Net wt (kg) of goods	Gross weight (kg) of goods	Cube (m ³) of goods	
CONTAINER/VEHICLE PACKING CERTIFICATE I hereby declare that the goods described above have been properly loaded into the container/vehicle identified below in accordance with the provisions shown overleaf THIS DECLARATION IS VALID FOR THE PURPOSES OF THE PROVISIONS OF THE ADR REGULATIONS ONLY. *Proper Shipping Name - Trade names alone are unacceptable		Name of Company	Total gross weight of goods	Total cube of goods	
Name/Status of Declarant		Place and date		Signature of declarant	
Container identification number / vehicle registration number	Seal number (if)	USA	Container/vehicle size and type	Tare (kg)	Total gross weight (including tare) (kg)
DRIVER/TERMINAL RECEIPT		RECEIVING AUTHORITY REMARKS		Name and telephone no. of driver/preparing this note	
Driver's name Vehicle reg. no. Driver's signature		Record the above number of packages/containers/trailers in agreement good order and condition unless stated below. Receiving authority signature and date		Name/status of declarant Place and date Signature of declarant	

100 Note-completion of any form is a receipt for receipt on by the contracting parties.



Documents on the Transport Unit ADR

ADR 2023 8.1.2.1

In addition to the documents required under other regulations , the following documents shall be carried on the transport unit.

ADR 2025 8.1.2.1

In addition to the documents required under other regulations , the following documents shall be carried **on the driver's cab of the transport unit.**

ADR 8.1.2.2 Lists other documents that must be carried on the vehicle:

- The certificate of approval
- The driver's training certificate
- A copy of the competent authority approval, when required.

© SITPRO 2009 **DANGEROUS GOODS NOTE**

Exposes		Container identification	
Booking Number		Exporter's reference	
		Forwarder's reference	
Comprise			
DSDA Notification (in accordance with DSDA Regulations) (as amended) given by:			
Shipper	Customs Agent	Transport Operator	Shipping Line
Freight forwarder			
International carrier			
Other UK transport details (eg HGV, terminal, vehicle No, ref. receiving dates)			
Vessel			
Port of discharge		Destination	
I hereby declare that the contents of this consignment are fully and accurately described below 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 the applicable international and national governmental regulations and in accordance with the provisions shown overleaf. The shipper must complete and sign this form.			
I/WE THE RECEIVING AUTHORITY/IES receive for shipment the goods described below subject to your published regulations and conditions (including those as to liability)			
Shippers marks Number and kind of packages, description of goods SPECIFY: UN No, Proper Shipping Name, Class/Division(s), Packing Group. Additional information may be required depending on the mode and/or substance		Net wt (kg)	Gross weight (kg)
			Cubic (per) of goods
*Proper Shipping Name - Trade names alone are unacceptable		Name of Company	
CONTAINER/VEHICLE PACKING CERTIFICATE		Name/Status of Declarant	
I hereby declare that the goods described above have been properly loaded into the container/vehicle identified below in accordance with the provisions shown overleaf		Place and date	
THIS DECLARATION MUST BE COMPLETED AND SIGNED BEFORE THE CONTAINER VEHICLE IS LOADED BY THE PERSON RESPONSIBLE FOR THE PACKAGING.		Signature of declarant	
Container identification number/vehicle registration number	Seal number (s)	Container/vehicle size and type	Total gross weight of goods
		Tare (kg)	Total cubic of goods
DOCK/TERMINAL RECEIPT		Name and telephone no. of shipper/preparing this note	
HAULER DETAILS		RECEIVING AUTHORITY REMARKS	
Hauler's name		Received the above number of packages/containers/trailers in agreement given under seal and conditions unless stated below.	
Vehicle reg. no.		Name/Status of declarant	
Driver's signature		Place and date	
		Signature of declarant	

100 Non-compliance of any form is a breach by the contracting parties.



Dangerous Goods Security

Dangerous Goods Security Awareness Training



Department
for Transport

Guidance

Dangerous goods security awareness training

Published 14 October 2024

Contents

[Course content and design](#)

[Target audience](#)

This guidance is to support the security training of all staff involved with the carriage of dangerous goods, as set out in chapters 1.10 of RID and ADR, taking into account the provisions of chapters 1.3 and 8.2.

Who does it impact?



...almost everyone involved in Dangerous Goods.

Job roles requiring security awareness training:

administration personnel, for example, consignor and consignee personnel responsible for paperwork or carrier personnel responsible for route planning

operational personnel, for example, loader, packer, filler, unloader, rail shunter

security personnel, for example, security guards, those responsible for access control

drivers (road and rail), including any vehicle crew



Key Points in the Guidance

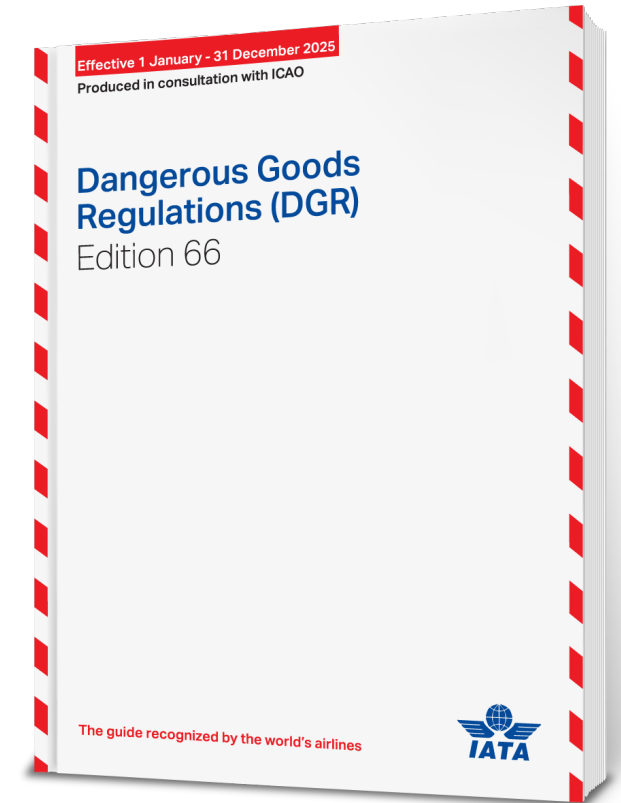
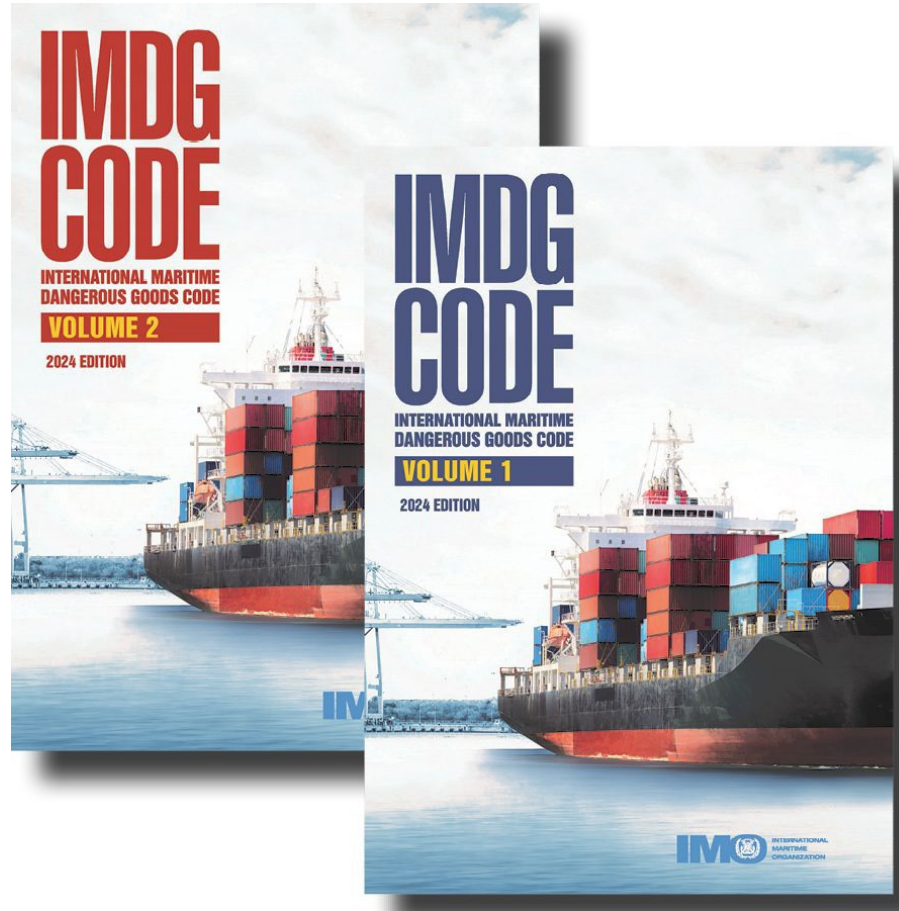
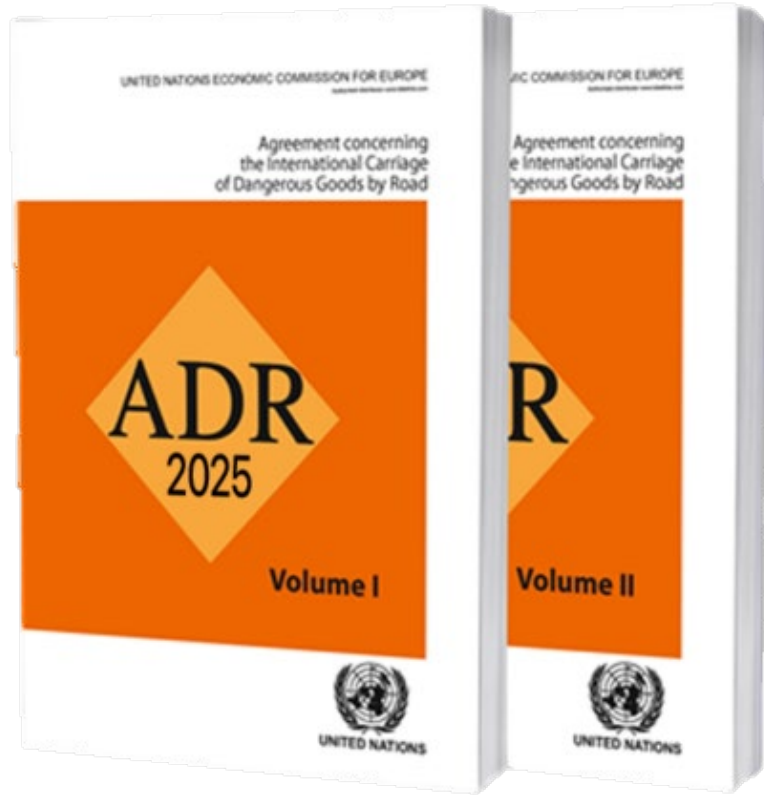
- Guidance is in addition to requirements for sites transporting high consequence dangerous goods
- Anyone engaged in the carriage of dangerous goods must consider security requirements...and awareness training is “mandatory”.
- Site / security managers should be able to demonstrate a comprehensive understanding of all the topics relevant to the operation(s) for which they are responsible.
- Senior staff, such as company directors and others whose appointments involve executive, operational or **administrative** responsibility for security, should also be able to show an awareness of security appropriate to their responsibilities.



Training

- Initial training should be given to all personnel before they carry out any duties related to dangerous goods.
- Security training should be reviewed every two years
- Refresher training is required at a minimum every five years
- DfT may monitor the delivery of training where, in the case of inspection activity, problems have been identified. This will be carried out with the agreement of the employer / trainer.

Ask the DGSA's



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