








Essential Checklists for IMDG Code 42-24



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Safety at Sea

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Preface

The International Maritime Dangerous Goods (IMDG) Code, developed by the International Maritime Organization (IMO), is the mandatory regulations for dangerous goods and marine pollutants transported by sea in packaged form.

This eBook is designed as a practical companion for shippers, freight forwarders, carriers, port operators, and compliance professionals navigating the complexities of IMDG Code Amendment 42-24. These five checklists will assist in ensuring compliance with on various aspects of IMDG Code.

1. **Marking and Labelling of Packages, IBCs, and Large Packagings** - General provisions, overpacks, empty uncleaned items, mixed packing, and class-specific rules to ensure packages are properly identified and marked/labelled.
2. **Marking and Placarding of Cargo Transport Units (CTUs) and Bulk Containers** – Placarding by CTU type, marking requirements, and additional marks for elevated temperature substances and marine pollutants.
3. **Dangerous Goods Declaration (DGD)** – A step-by-step verification checklist aligned with the multimodal dangerous goods form, including sequence of information, supplementary details, and retention requirements.
4. **Special Provision SP 188 for Lithium and Sodium Batteries** –Exemptions for small cells and batteries (including those packed with or installed in equipment), size limits, testing, packaging, marking, and documentation to address the growing presence of lithium batteries in global supply chains.
5. **Checklist for inspecting CTU carrying Dangerous Goods** - designed to assist those who are carrying out or intending to carry out inspection of Cargo Transport Units (CTUs) packed with dangerous goods in accordance with Annex I of Maritime Safety Committee Circular MSC.1/Circ.1442 (Inspection Programmes For Cargo Transport Units Carrying Dangerous Goods).

While we have strived for accuracy based on Amendment 42-24, this eBook is not an official IMO publication. Always refer to the full IMDG Code for substance specific special provisions, exemptions, or need for competent authority approvals. If you spot any



discrepancies, please give your feedback at shashi@shashikallada.com, your insights help us refine these guides.

Whether you are preparing a consignment, auditing documentation, or training your team, use these checklists as a starting point to verify compliance. Remember, safe transport begins with diligence and ends with confidence.

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Contents

Checklist for Marking and Labelling of Packages, IBCs, and Large Packagings	1
1. General Application and Compliance (5.1.1)	1
2. Overpacks and Unit Loads (5.1.2)	1
3. Empty Uncleaned Packagings/Units (5.1.3)	2
4. Mixed Packing (5.1.4)	2
5. General Marking Provisions (5.2.1)	2
6. Class 7 (Radioactive) Specific Marking (5.1.5 and 5.2.1.5)	3
7. General Labelling Provisions (5.2.2.1)	4
Checklist for Marking and Placarding of Cargo Transport Units (CTUs) and Bulk Containers	6
1. General Provisions	6
2. Placarding Requirements by CTU Type	6
3. Special Provisions for Class 7	7
4. Specifications for Placards	7
5. Marking Requirements	8
6. Elevated Temperature and Marine Pollutants	8
7. Dangerous Goods in Limited Quantities	9
8. Dangerous Goods in Excepted Quantities	9
Checklist for Dangerous Goods Declaration (DGD)	10
Checklist for Special Provision SP 188 - lithium and sodium batteries	14
<input type="checkbox"/> 1. Size/Energy Limits (SP 188.1 & 188.2)	14
<input type="checkbox"/> 2. Testing, Design, and Manufacturing Requirements (SP 188.3; ref. 2.9.4 for lithium, 2.9.5 for sodium ion)	14
<input type="checkbox"/> 3. Packaging Requirements – General (SP 188.4)	15
<input type="checkbox"/> 4. Packaging/Protection when Installed in Equipment (SP 188.5)	15
<input type="checkbox"/> 5. Package Drop Test (SP 188.7)	15
<input type="checkbox"/> 6. Maximum Gross Mass per Package (SP 188.8)	15
<input type="checkbox"/> 7. Marking and Labelling (SP 188.6)	16



<input type="checkbox"/> 8. Documentation.....	16
Checklist for Inspecting Cargo Transport Units (CTUs) Carrying Dangerous Goods	17
1. Documentation	17
2. CSC Safety Approval Plate and Plating per IMDG Code for Portable Tanks	18
3. Placarding and Marking of CTU	18
4. Marking and Labelling of Packages	19
5. Packaging (Inappropriate or Damaged)	20
6. Portable Tank or Road Tank Vehicles Not Covered by CSC (Inappropriate or Damaged)	20
7. Stowage/Securing Inside Freight Containers, Vehicles, and Other CTUs	21
8. Segregation of Cargo.....	21
9. Approved Continuous Examination Program (ACEP) or Periodic Examination Scheme (PES) Label	22
10. Serious Structural Deficiencies	22
11. Tie-Down Attachments of Road Tank Vehicles.....	22



Checklist for Marking and Labelling of Packages, IBCs, and Large Packagings

1. General Application and Compliance (5.1.1)

Requirement	Description	Yes	No	Not Applicable
Offer for Transport (5.1.1.2)	Goods properly marked, labelled, placarded, documented, and in condition for transport.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No GHS Pictograms (Note to 5.1.1.2)	No GHS pictograms used independent of IMDG labels.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Carrier Acceptance (5.1.1.3–5.1.1.5)	Dangerous goods transport document/information provided (paper or electronic, printable without delay).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Identification Purpose (5.1.1.6)	Marks (PSN, UN number, marine pollutant) ensure ready identification for emergencies and MARPOL reporting.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Packages in CTUs (5.1.6)	Each package marked/labelled per Chapter 5.2, regardless of CTU placarding/markings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Overpacks and Unit Loads (5.1.2)

Requirement	Description	Yes	No	Not Applicable
Marking and Labelling (5.1.2.1)	Overpack marked with PSN, UN number, and labelled for each dangerous good unless inner marks/labels visible.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overpack Specific (5.1.2.1)	Marked "OVERPACK" (≥ 12 mm high) unless inner marks/labels visible; for radioactive, follow 5.2.2.1.12.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Individual Packages (5.1.2.2)	All inner packages comply with Chapter 5.2; overpack/unit load does not impair package function.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Orientation (5.1.2.3)	Packages oriented with arrows (if required per 5.2.1.7.1) in correct direction.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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3. Empty Uncleaned Packagings/Units (5.1.3)

Requirement	Description	Yes	No	Not Applicable
Non-Class 7 (5.1.3.1)	Marked, labelled, and placarded as for original goods unless cleaned/purged/refilled to nullify hazard.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Class 7 (5.1.3.2)	Decontaminated below specified levels (0.4 Bq/cm ² for beta/gamma/low-toxicity alpha; 0.04 Bq/cm ² for other alpha) before reuse for non-radioactive goods.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CTUs with Residues/Empty Items (5.1.3.3)	Comply with provisions for last contents.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. Mixed Packing (5.1.4)

Requirement	Description	Yes	No	Not Applicable
Labelling and Marking (5.1.4)	Package labelled and marked as required for each substance; no subsidiary label if covered by primary.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. General Marking Provisions (5.2.1)

Requirement	Description	Yes	No	Not Applicable
PSN and UN Number (5.2.1.1)	PSN and "UN" + number displayed on each package (unless otherwise provided).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Height Requirements (5.2.1.1)	UN/PSN ≥12 mm; ≥6 mm for ≤30 L/kg or cylinders ≤60 L; appropriate size for ≤5 L/kg.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



For 1.4S (5.2.1.1)	Division and group included unless 1.4S label used.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unpackaged Articles (5.2.1.1)	Marked on article, cradle, or device.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General Requirements (5.2.1.2)	Marks visible/legible, durable (3 months sea immersion), contrasting background, not reduced by other marks.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Salvage Packagings (5.2.1.3)	Marked "SALVAGE" (≥ 12 mm high); includes large and pressure receptacles.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IBCs (>450 L) and Large Packagings (5.2.1.4)	Marked on two opposing sides.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Marine Pollutants (5.2.1.6)	Marked per 2.10.2.7 if meeting 2.9.3 criteria (unless exempted).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Orientation Arrows (5.2.1.7)	Used for liquids in combos/singles with vents, cryogenic receptacles, machinery/apparatus (SP 301). On two opposite vertical sides of the package with the arrows pointing in the correct upright direction.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Excepted Quantities Mark (5.2.1.8)	Applied per 3.5.4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limited Quantities Mark (5.2.1.9)	Applied per 3.4.5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lithium/Sodium Ion Battery Mark (5.2.1.10)	Applied per SP 188; rectangle/square (≥ 100 mm \times 100 mm, reducible to 100 mm \times 70 mm).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6. Class 7 (Radioactive) Specific Marking (5.1.5 and 5.2.1.5)

Requirement	Description	Yes	No	Not Applicable
General (5.2.1.5.1)	Consignor/consignee ID on package/overpack (legible/durable; visible on overpack unless inners visible).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Excepted Packages (5.2.1.5.2)	Marked per 5.1.5.4.1 (UN number, consignor/consignee, gross mass if >50 kg).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gross Mass (5.2.1.5.3)	>50 kg: Permissible gross mass marked.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Package Type (5.2.1.5.4)	Marked "TYPE IP-1/2/3" or "TYPE A"; VRI code + manufacturer/ID.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Approved Designs (5.2.1.5.5)	ID mark, serial number, "Type B(U)/B(M)/C".	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fire/Water-Resistant Receptacle (5.2.1.5.6)	Trefoil embossed/stamped (X ≥4 mm) on outermost.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LSA/SCO Under Exclusive Use (5.2.1.5.7)	Marked "RADIOACTIVE LSA-I/SCO-I" on outer receptacles/wrappings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TI/CSI Determination (5.1.5.3)	TI (dose rate ×100, rounded up) and CSI (sum for fissile) calculated correctly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7. General Labelling Provisions (5.2.2.1)

Requirement	Description	Yes	No	Not Applicable
Primary/Subsidiary Hazards (5.2.2.1.1–5.2.2.1.3)	Primary labels per DGL column 3; subsidiary per column 4/SPs in 6; no subsidiary for low-danger if SP specifies.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Class 2 Subsidiary (5.2.2.1.4–5.2.2.1.5)	Applied per table (e.g., 2.3 + 5.1/8 uses 2.3 primary + 5.1/8 subsidiaries).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Placement (5.2.2.1.6)	Labels near PSN, not obscured, next to each other; tag used if irregular/small.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IBCs (>450 L)/Large Packagings (5.2.2.1.7)	Labels on two opposing sides.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Background (5.2.2.1.8)	Labels on contrasting color background.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Self-Reactive (5.2.2.1.9)	Explosive subsidiary label unless exempted by tests.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Organic Peroxides (5.2.2.1.10)	5.2 primary (no 3 for flammable); explosive for type B unless exempted; corrosive for PG I/II if class 8 criteria met.	[]	[]	[]
Infectious (5.2.2.1.11)	6.2 + other labels per contents.	[]	[]	[]
Radioactive (5.2.2.1.12)	Models 7A/B/C per category on two/four sides; 7E for fissile; complete with contents/activity/TI/CSI.	[]	[]	[]
Articles UN 3537–3548 (5.2.2.1.13)	Labels per hazards; battery mark/label if lithium/sodium; orientation arrows if liquids.	[]	[]	[]



Checklist for Marking and Placarding of Cargo Transport Units (CTUs) and Bulk Containers

1. General Provisions

Requirement	Description	Yes	No	Not Applicable
Visibility Check (5.3.1.1.1.1)	Placards and marks affixed to exterior surfaces unless package labels/marks are clearly visible from outside the CTU.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Durability and Surface Consideration (5.3.1.1.1.2)	Marking methods suitable for CTU surface to ensure longevity.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Removal/Masking (5.3.1.1.1.3)	All placards, orange panels, marks, and signs removed or masked once dangerous goods or residues are discharged.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Primary Hazard Placarding (5.3.1.1.2) (5.3.1.1.2.1)	Placard corresponds to the primary hazard of contents, except no placards for explosives of Division 1.4, Compatibility Group S (any quantity).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multiple Divisions (Class 1) (5.3.1.1.2.2)	For Class 1 with multiple divisions, placard only the highest hazard.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Subsidiary Hazards (5.3.1.1.3)	Subsidiary hazard placards displayed if required by 5.2.2.1.2, unless covered by primary placard (for multi-class goods).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Class 9 Specifics	Placard model No. 9 used (not 9A).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Background	Placards on contrasting color background or with dotted/solid outer boundary line.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Placarding Requirements by CTU Type

Requirement	Description	Yes	No	Not Applicable
Freight Container, Semi-Trailer, Closed/Sheeted Bulk Container, or Portable Tank (>3,000 L)	One placard on each side and each end.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Portable Tank (≤3,000 L)	Placard on all four sides/ends OR label on two opposite sides.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Railway Wagon	At least one placard on each side.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multiple-Compartment Tank	Placards along each side at relevant compartment positions; if all	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



	compartments need same placards, display once per side.			
Flexible Bulk Container	At least in two opposing positions.	[]	[]	[]
Other CTUs (e.g., Vehicles)	At least on both sides and the back.	[]	[]	[]

3. Special Provisions for Class 7

Requirement	Description	Yes	No	Not Applicable
Large Freight Containers or Tanks (5.3.1.1.5.1)	For unpackaged LSA-I, SCO-I, SCO-III, or non-excepted packages: Four placards (model No. 7D) vertically on each side and end wall.	[]	[]	[]
Remove Irrelevant Placards (5.3.1.1.5.1)	Irrelevant placards removed.	[]	[]	[]
Alternative Labels (5.3.1.1.5.1)	Enlarged labels (models 7A, 7B, 7C) used with minimum size as per 5.3.1.2.2.	[]	[]	[]
Rail and Road Vehicles (5.3.1.1.5.2)	For packages, overpacks, or freight containers labeled with models 7A, 7B, 7C, 7E, or under exclusive use: Placard model No. 7D on rail (two external lateral walls) or road (two external lateral walls and rear wall).	[]	[]	[]
Vehicles Without Sides	Placards affixed directly on cargo-carrying unit if readily visible.	[]	[]	[]
Large Tanks/Freight Containers (5.3.1.1.5.2)	Placards on tanks/freight containers suffice.	[]	[]	[]
Insufficient Area (5.3.1.1.5.2)	Placard reduced to 100 mm dimensions if area insufficient.	[]	[]	[]
Remove Irrelevant Placards (5.3.1.1.5.2)	Irrelevant placards removed.	[]	[]	[]

4. Specifications for Placards

Requirement	Description	Yes	No	Not Applicable
General Placard Design (5.3.1.2.1)	Square at 45° (diamond-shaped), minimum 250 mm × 250 mm, inner line 12.5 mm inset, color/symbol matches label for class/division, digits ≥25 mm high.	[]	[]	[]
Proportions	All features approximate to those shown in IMDG figures.	[]	[]	[]



5. Marking Requirements

Requirement	Description	Yes	No	Not Applicable
Proper Shipping Name (PSN) Display (5.3.2.0) (5.3.2.0.2)	PSN marked durably on at least both sides of <ol style="list-style-type: none"> 1. tank CTUs, 2. bulk containers, or 3. other CTUs with packaged dangerous goods of a single commodity for which no placard, UN number or marine pollutant mark is required. Characters ≥ 65 mm high, contrasting color (reducible to 12 mm for portable tanks $\leq 3,000$ L).	[]	[]	[]
UN Number Display (5.3.2.1)	UN number displayed for <ol style="list-style-type: none"> 1. solids/liquids/gases in tank CTUs, 2. packaged goods $>4,000$ kg gross mass with single UN number, 3. unpackaged LSA-I/SCO-I/SCO-III, packaged radioactive material under exclusive use, or 4. solid dangerous goods in bulk containers; black digits ≥ 65 mm high. 	[]	[]	[]
UN Number Placement (5.3.2.1.2)	Displayed on white background below symbol, above class number/compatibility letter, or on orange panel (≥ 120 mm high \times 300 mm wide, 10 mm black border) adjacent to placard/marine pollutant mark; for portable tanks $\leq 3,000$ L, reduce to ≥ 25 mm high.	[]	[]	[]
No Placard/Marine Pollutant (5.3.2.0.1)	UN number displayed adjacent to PSN if no placard/marine pollutant mark.	[]	[]	[]

6. Elevated Temperature and Marine Pollutants

Requirement	Description	Yes	No	Not Applicable
Elevated Temperature	For substances $\geq 100^{\circ}\text{C}$ (liquid) or $\geq 240^{\circ}\text{C}$ (solid): Equilateral triangle, red color, minimum	[]	[]	[]



Substance Mark (5.3.2.2)	side 250 mm (reducible to 100 mm for portable tanks ≤3,000 L), affixed on each side and end.			
Maximum Temperature Mark	Maximum expected temperature marked on both sides of portable tank/insulation jacket (≥100 mm high, adjacent to mark).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Marine Pollutant Mark (5.3.2.3)	For marine pollutants (except per 2.10.2.7): Displayed per 5.3.1.1.4.1, design per 5.2.1.6.3, minimum 250 mm × 250 mm (reducible to 100 mm × 100 mm for portable tanks ≤3,000 L).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7. Dangerous Goods in Limited Quantities

Requirement	Description	Yes	No	Not Applicable
Limited Quantities Mark (3.4.5.5)	CTUs packed only with dangerous goods in limited quantities display the mark, readily visible, surviving three months' sea immersion, top/bottom/surrounding line black, center white/contrasting, minimum 250 mm × 250 mm, one mark on each side and end.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. Dangerous Goods in Excepted Quantities

Requirement	Description	Yes	No	Not Applicable
Excepted Quantities (3.5)	CTUs containing only dangerous goods in excepted quantities with no other dangerous goods do not display any mark or placard.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Checklist for Dangerous Goods Declaration (DGD)

Item No.	Description (Reference)	Yes	No	N/A
1	Name & Address of the shipper (5.4.1.3)	[]	[]	[]
2	Transport document number (5.4.1.2.1)	[]	[]	[]
3	Page(s) numbered consecutively (5.4.1.2.3)	[]	[]	[]
4	Shipper's reference	[]	[]	[]
5	Freight Forwarder's reference	[]	[]	[]
6	Name & Address of the consignee (5.4.1.3)	[]	[]	[]
7	Carrier (to be completed by the carrier)			
8	Not applicable for sea transport	[]	[]	[]
9	Additional information (e.g., emergency contacts); must not divert from safety info, contradict, or duplicate (Note 5)	[]	[]	[]
10	Vessel and date (5.4.1.3)	[]	[]	[]
11	Port of loading	[]	[]	[]
12	Port of discharge	[]	[]	[]
13	Destination	[]	[]	[]
14	Dangerous goods description (5.4.1.4.1): Elements in sequence (5.4.1.4.2); no interspersed info unless permitted; easy to identify, legible, durable (5.4.1.2.4)	[]	[]	[]
14.1	UN number preceded by "UN"	[]	[]	[]
14.2	Proper shipping name (PSN) as per 3.1.2, including technical name in parentheses if applicable (3.1.2.8)	[]	[]	[]
14.3	Primary hazard class/division (may precede with "Class" or "Division"); for Class 1, include compatibility group letter	[]	[]	[]
14.4	Subsidiary hazard class/division(s) in parentheses (may precede with "Class" or "Division")	[]	[]	[]
14.5	Packing group (may precede with "PG", e.g., "PG II")	[]	[]	[]
	Information supplementing PSN (5.4.1.4.3): After description	[]	[]	[]
14.6.1	Technical/chemical group names for N.O.S./generic entries with SP 274 or 318 (3.1.2.8)	[]	[]	[]
14.6.2	Empty uncleaned packagings/bulk containers/tanks (non-Class 7): "EMPTY UNCLEANED" or "RESIDUE LAST CONTAINED" before/after description	[]	[]	[]
14.6.3	Wastes (non-radioactive): Precede PSN with "WASTE" (unless already part of PSN)	[]	[]	[]
14.6.4	Molten substances: Add "MOLTEN" as part of PSN (3.1.2.5)	[]	[]	[]
14.6.5	Elevated temperature substances (≥100°C liquid or ≥240°C solid): Precede PSN with "HOT" (unless conveyed in PSN)	[]	[]	[]



14.6.6	Marine pollutants (except per 2.10.2.7): “MARINE POLLUTANT” (may add “ENVIRONMENTALLY HAZARDOUS”); for N.O.S., supplement with recognized chemical name (3.1.2.9)	[]	[]	[]
14.6.7	Flashpoint: For Class 3 primary/subsidiary with flashpoint ≤60°C (c.c.), indicate minimum flashpoint (e.g., “(58°C c.c.)”)	[]	[]	[]
14.6.8	Damaged/defective lithium cells/batteries or for disposal/recycling (SP 376/377): Indicate “DAMAGED/DEFECTIVE”, “LITHIUM BATTERIES FOR DISPOSAL”, or “LITHIUM BATTERIES FOR RECYCLING”	[]	[]	[]
14.6.9	Stabilized/temperature-controlled substances: Add “STABILIZED” and/or “TEMPERATURE CONTROLLED” (3.1.2.6)	[]	[]	[]
15	Container No./vehicle registration No. (for CTUs; 5.4.2)	[]	[]	[]
16	Seal number(s) (5.4.2)	[]	[]	[]
17	Container/vehicle size and type (5.4.2)	[]	[]	[]
18	Tare mass (kg) (5.4.2)	[]	[]	[]
19	Total gross mass (including tare) (kg) (5.4.2)	[]	[]	[]
20	Container/Vehicle Packing Certificate (CPC) (5.4.2): Signed statement confirming proper packing, securing, segregation, no damaged/leaking packages, clean CTU, correct marking/labelling/placarding	[]	[]	[]
21	Receiving organisation receipt (optional)	[]	[]	[]
22	Shipper’s company, name, place, signature & date (5.4.1.6.2)	[]	[]	[]
	Additional Information After Description (5.4.1.5)	[]	[]	[]
23	Total quantity: Number/kind of packages & quantity (volume/mass); Class 1: net explosive mass; salvage: estimate (5.4.1.5.1)	[]	[]	[]
24	Limited Quantities: “LIMITED QUANTITY” or “LTD QTY” (5.4.1.5.2.1)	[]	[]	[]
25	Excepted Quantities: “DANGEROUS GOODS IN EXCEPTED QUANTITIES” (5.4.1.5.14)	[]	[]	[]
26	Salvage Packagings/Pressure Receptacles: “SALVAGE PACKAGING” or “SALVAGE PRESSURE RECEPTACLE” (5.4.1.5.3)	[]	[]	[]
27	Temperature Control (Class 4.1 self-reactive, Class 5.2 organic peroxides, polymerizing substances): “Control temperature: ... °C Emergency temperature: ... °C” (5.4.1.5.4–5.4.1.5.5)	[]	[]	[]
28	Explosive Subsidiary Hazard Dispensed (Class 4.1/5.2): Statement included (5.4.1.5.5.1)	[]	[]	[]



29	Sample Self-Reactive/Organic Peroxides: Statement for samples (2.4.2.3.2.4.2/2.5.3.2.5.1) (5.4.1.5.3)	[]	[]	[]
30	Class 1 Explosives: For N.O.S./approvals/less water/phlegmatizer/packages/hazards not in Code: Approval statements with competent authority sign (5.4.1.5.9)	[]	[]	[]
31	Aerosols (Class 2) >1,000 mL: Indicate capacity (5.4.1.5.8)	[]	[]	[]
32	Bulk Containers (non-freight): “Bulk container BK(x) approved by the competent authority of ...” (5.4.1.5.12)	[]	[]	[]
33	IBCs/Portable Tanks After Expiry: Statements like “Transport in accordance with 4.1.2.2.2.2” or similar for tanks (6.7.x) (5.4.1.5.13)	[]	[]	[]
34	Fireworks: Classification reference (5.4.1.5.15)	[]	[]	[]
35	New Classification Data: “Classified in accordance with 2.0.0.2” (5.4.1.5.16)	[]	[]	[]
36	Viscous Substances (Class 3): “Transport in accordance with 2.3.2.5” (5.4.1.5.17)	[]	[]	[]
37	UN 1361 Carbon (SP 983): “Date of production ... Date of packing into packagings ... Temperature of the material on the day of packing into the packagings ... °C” (5.4.1.5.18)	[]	[]	[]
38	Refrigerated Liquefied Gases (Portable Tanks): “END OF HOLDING TIME: (DD/MM/YYYY)” (5.4.1.5.19)	[]	[]	[]
	Class 6.2 Infectious Substances	[]	[]	[]
39	Category A: Shipper/consignee phone; handling label number (5.4.1.5.6)	[]	[]	[]
40	Cultures: Technical name after PSN (5.4.1.5.7)	[]	[]	[]
	Class 7 Radioactive	[]	[]	[]
41	Specific details: PSN, name/nuclide symbol, activity, description, fissile (5.4.1.5.10.1–5.4.1.5.10.3)	[]	[]	[]
42	Category, TI, CSI, approvals (5.4.1.5.10.4–5.4.1.5.10.6)	[]	[]	[]
	Documentation required aboard the ship (5.4.3)	[]	[]	[]
43	Special list/manifest/stowage plan: UN, PSN, class, subsidiary hazards (amended in 42-24), PG, location, emergency info (5.4.3.1)	[]	[]	[]
	Retention/Exemptions (5.4.4)	[]	[]	[]
44	Retain DGD 3 months post-acceptance (5.4.4.1.1)	[]	[]	[]
45	Exemption certificate (new in 42-24): For SPs exempting from Code (e.g., 922, 928, 931, 935, 939, 954, 964, 979), submit with SOLAS VI/2 cargo info (5.4.4.2)	[]	[]	[]
	General Checks	[]	[]	[]
46	Dangerous goods listed first or emphasized if mixed with non-DG (5.4.1.2.2)	[]	[]	[]
47	Date prepared/given to carrier included (5.4.1.3)	[]	[]	[]



48	EDP/EDI: Paper printable without delay, in required sequence (5.4.1.1.2)	[]	[]	[]
49	Overall compliance: Fundamental hazard info conveyed (Note 3); additional elements if required by competent authority (Note 4)	[]	[]	[]

Note 1 The provisions of IMDG Code do not preclude the use of electronic data processing (EDP) and electronic data interchange (EDI) transmission techniques as an alternative to paper documentation. All references to “dangerous goods transport document” in this chapter also include provision of the required information by use of EDP and EDI transmission techniques.

Note 2 When dangerous goods are offered for transport, similar documents to those required for other categories of goods have to be prepared. The form of these documents, the particulars to be entered on them and the obligations they entail may be fixed by international conventions applying to certain modes of transport and by national legislation.

Note 3 One of the primary requirements of a transport document for dangerous goods is to convey the fundamental information relative to the hazards of the goods. It is, therefore, necessary to include certain basic information on the document for a consignment of dangerous goods unless otherwise exempted or required in IMDG Code.

Note 4 In addition to the provisions of chapter 5.4, other elements of information may be required by the competent authority.

Note 5 In addition to the provisions of chapter 5.4 other additional information may be included. However, this information shall not:

- .1 divert attention from the safety information required by this chapter or by the competent authority;
- .2 contradict the safety information required by this chapter or by the competent authority; or
- .3 duplicate information already provided.



Checklist for Special Provision SP 188 - lithium and sodium batteries

Special Provision 188 (SP 188) of the IMDG Code 42-24 provides conditional exemptions/reduced requirements for small lithium metal, lithium ion, and sodium ion cells and batteries (including those installed in equipment, packed with equipment, or alone). These shipments are **not subject to full Class 9 dangerous goods provisions** (e.g., no Class 9 label, no Shipper's Declaration, no placarding) **if all applicable requirements below are met.**

Lithium batteries follow section **2.9.4** (classification, testing, design safety, quality management, and test summaries for UN 3090, 3091, 3480, 3481). Sodium ion batteries follow section **2.9.5** (analogous provisions, cross-referencing 2.9.4 where applicable, for UN 3551, UN 3552).

Damaged, defective, or recycling/disposal batteries: Not eligible for SP 188, refer to SP 376, SP 377.

All items below must be satisfied for the shipment to qualify under SP 188. Reference: IMDG Code Amendment 42-24, Special Provision 188; sections 2.9.4 (Lithium batteries) & 2.9.5 (Sodium ion batteries). This checklist is based on the provisions effective under Amendment 42-24 (mandatory from 1 January 2026).

1. Size/Energy Limits (SP 188.1 & 188.2)

- Lithium Metal/Alloy Cells:** Lithium content ≤ 1 g per cell
- Lithium Metal/Alloy Batteries:** Aggregate lithium content ≤ 2 g per battery
- Lithium Ion Cells:** Watt-hour (Wh) rating ≤ 20 Wh per cell
- Sodium Ion Cells:** Watt-hour (Wh) rating ≤ 20 Wh per cell
- Lithium Ion Batteries:** Watt-hour (Wh) rating ≤ 100 Wh per battery
- Sodium Ion Batteries:** Watt-hour (Wh) rating ≤ 100 Wh per battery
- Lithium ion/Sodium ion batteries:** Wh rating marked on the battery case (except lithium ion batteries manufactured before 1 January 2009)

Failure to meet any item above means the shipment is fully regulated as Class 9.

2. Testing, Design, and Manufacturing Requirements (SP 188.3; ref. 2.9.4 for lithium, 2.9.5 for sodium ion)

- Each cell/battery type has passed all tests in UN Manual of Tests and Criteria, Part III, subsection 38.3 (UN 38.3 test report available)
- For lithium: Meets 2.9.4.1 (general), 2.9.4.5 (quality management), 2.9.4.6 (hybrids if applicable), 2.9.4.7 (test summary)



- For sodium ion: Meets 2.9.5.1 (general/testing), 2.9.5.5 (quality management, references 2.9.4.5), 2.9.5.6 (test summary)
- Cells/batteries manufactured under a quality management program (including inspections, process controls, records, training, etc.)
- Test summary document available upon request (for cells/batteries manufactured after 30 June 2003, except button cells in equipment) – ref. 2.9.4.7 / 2.9.5.6
- Protected against short circuit, reverse current flow, overcharge/over-discharge, and unsafe temperature/pressure (design requirements in 2.9.4/2.9.5)

3. Packaging Requirements – General (SP 188.4)

- Cells/batteries (except when installed in equipment) packed in inner packagings that **completely enclose** each cell/battery
- Protected against short circuit (including contact with conductive material in the same packaging)
- Packed in strong rigid outer packagings meeting 4.1.1.1, 4.1.1.2, and 4.1.1.5 (general packing requirements)

4. Packaging/Protection when Installed in Equipment (SP 188.5)

- Cells/batteries protected from damage and short circuit
- Equipment has effective means to prevent accidental activation (exception: devices intentionally active in transport – e.g., RFID, watches, sensors – that cannot generate dangerous heat)
- Equipment packed in strong outer packaging (or battery afforded equivalent protection by the equipment itself)

5. Package Drop Test (SP 188.7)

- Each package (except cells/batteries installed in equipment) capable of withstanding a **1.2 m drop test** in any orientation without: – Damage to cells/batteries – Shifting allowing cell-to-cell or battery-to-battery contact – Release of contents

6. Maximum Gross Mass per Package (SP 188.8)

- ≤ 30 kg gross mass per package (except for packages containing cells/batteries installed in or packed with equipment)



7. Marking and Labelling (SP 188.6)

- Each package marked with the **appropriate Lithium Battery Mark or Sodium Ion Battery Mark** (as illustrated in IMDG 5.2.1.10) – Includes UN number(s)
- Exceptions to marking requirement: – Packages containing only button cells installed in equipment (including circuit boards) – Packages containing ≤ 4 cells or ≤ 2 batteries installed in equipment, and ≤ 2 such packages in the consignment
- For overpacks: Lithium/Sodium Ion Battery Mark visible or reproduced on overpack exterior + "OVERPACK" marked (minimum 12 mm high lettering)

8. Documentation

- Test Summary available



Checklist for Inspecting Cargo Transport Units (CTUs) Carrying Dangerous Goods

This checklist is designed to assist those who are carrying out or intending to carry out inspection of Cargo Transport Units (CTUs) packed with dangerous goods in accordance with Annex I of Maritime Safety Committee Circular MSC.1/Circ.1442 (Inspection Programmes For Cargo Transport Units Carrying Dangerous Goods).

Noting that in those countries where regular inspection programmes have been implemented, a considerable improvement has been experienced in the general compliance with those standards, the Committee decided to offer inspection guidance to Member Governments to facilitate improvement to and implementation of inspection programmes. To avoid the diverting of dangerous goods to ports where inspections are not carried out, a regional approach should be taken. - MSC.1/Circ.1442)

Inspections should be conducted with caution, following general safety considerations outlined in the circular (e.g., team-based inspections, emergency egress procedures, and precautions for hazardous materials).

For each item, mark the appropriate checkbox: **Yes (compliant)**, **No (deficient)**, or **Not Applicable (N/A)**. Include remarks for any deficiencies or observations. Refer to the IMDG Code 42-24 and CTU Code for detailed requirements.

1. Documentation

S. No.	Description	Yes	No	N/A	Remarks
1.1	Dangerous goods transport document present and accurate (UN number preceded by “UN”, Proper Shipping Name supplemented with technical/chemical group names per SP 274/318 if applicable, primary hazard class/division, subsidiary hazard(s), packing group preceded by “PG” if assigned, other info per IMDG 5.4.1)	[]	[]	[]	
1.2	Proper certification/declaration per IMDG 5.4.1.6/5.4.2	[]	[]	[]	
1.3	Classification consistent with Safety Data Sheet properties	[]	[]	[]	



1.4	Container/vehicle packing certificate	[]	[]	[]	
1.5	Documentation for tanks (e.g., suitability certificates for portable tanks per IMDG 4.2.1.8, road tanks for classes 2-9 per IMDG 6.8.3.1.3.2/ 6.8.3.2.3.2/ 6.8.3.3.3.2)	[]	[]	[]	
1.6	Other information/documentation as required	[]	[]	[]	

2. CSC Safety Approval Plate and Plating per IMDG Code for Portable Tanks

S. No.	Description	Yes	No	N/A	Remarks
2.1	CSC Safety Approval Plate validity	[]	[]	[]	
2.2	Metal plate on portable tanks per IMDG 6.7.2.20/6.7.3.16/6.7.4.15	[]	[]	[]	
2.3	Metal plate on MEGCs per IMDG 6.7.5.13	[]	[]	[]	
2.4	Metal plate on road tanks (IMO types 4/6/8) per IMDG 6.8.3.1.3.4/6.8.3.2.3.4/6.8.3.3.3.4/ 6.10.2.10	[]	[]	[]	
2.5	Validity and periodic inspection/test dates	[]	[]	[]	
2.6	Additional markings from other regulations if present	[]	[]	[]	

3. Placarding and Marking of CTU

S. No.	Description	Yes	No	N/A	Remarks
3.1	Placards: One on each side and end for freight containers/trailers/portable tanks; at least on each side for railway wagons; along each side at relevant compartments for multiple-compartment tanks; at least on both sides and back for other CTUs; any other CTU: at least on both sides and on the back of the unit.	[]	[]	[]	



3.2	<p>Proper Shipping Name on at least both sides for tank transport units/bulk containers containing dangerous goods, or other CTUs with packaged dangerous goods of a single commodity (no placard/UN/marine pollutant required)</p> <p>For class 7, the transport index (TI) indicated on the placard should be verified by a measurement of the radiation level in accordance with paragraph 5.1.5.3 of the IMDG Code and/or by calculation (sum of TI of packages).</p>	[]	[]	[]	
3.3	UN Number and other marks (e.g., elevated temperature, marine pollutant, limited quantity, fumigation warning) per IMDG Code	[]	[]	[]	

4. Marking and Labelling of Packages

S. No.	Description	Yes	No	N/A	Remarks
4.1	Proper Shipping Name	[]	[]	[]	
4.2	Technical Name per SP 274/318 if required	[]	[]	[]	
4.3	Hazardous Class Label	[]	[]	[]	
4.4	Subsidiary Hazard Label	[]	[]	[]	
4.5	Marine Pollutant Mark	[]	[]	[]	
4.6	Orientation Mark	[]	[]	[]	
4.7	Limited Quantities Mark	[]	[]	[]	
4.8	Lithium Battery Mark	[]	[]	[]	
4.9	Excepted Quantities Mark	[]	[]	[]	
4.10	For Class 7 transport index (TI) on the label should be verified by a measurement of the radiation level in accordance with paragraph 5.1.5.3.	[]	[]	[]	



5. Packaging (Inappropriate or Damaged)

S. No.	Description	Yes	No	N/A	Remarks
5.1	Type permitted by packing instructions in IMDG chapter 3.2 dangerous goods list	[]	[]	[]	
5.2	Design type approved per IMDG 4.1.1.3	[]	[]	[]	
5.3	Approved packing group (X/Y/Z) matches goods' packing group (I/II/III)	[]	[]	[]	
5.4	Single packagings for liquids approved for liquids	[]	[]	[]	
5.5	Plastic drums/jerricans/inner receptacles of IBC not exceeding 5-year use period	[]	[]	[]	
5.6	Rigid IBCs not exceeding inspection periods per IMDG 4.1.2.2	[]	[]	[]	
5.7	Packages are sound without serious damages (simple defects like traces of use are insignificant; inspecting authority decides on serious damages)	[]	[]	[]	

6. Portable Tank or Road Tank Vehicles Not Covered by CSC (Inappropriate or Damaged)

S. No.	Description	Yes	No	N/A	Remarks
6.1	No serious damages or inappropriateness for the goods	[]	[]	[]	
6.2	Tank accessories in good condition	[]	[]	[]	
6.3	Compliance with IMDG requirements for portable tanks/road tanks (e.g., chapters 6.7, 6.8 & 6.10)	[]	[]	[]	



7. Stowage/Securing Inside Freight Containers, Vehicles, and Other CTUs

S. No.	Description	Yes	No	N/A	Remarks
7.1	Mass evenly distributed over floor; heavy packages supported (per CTU Code)	[]	[]	[]	
7.2	Center of gravity close to mid-length of CTU	[]	[]	[]	
7.3	Void spaces filled with dunnage/cardboard/air bags/other material to minimize movement	[]	[]	[]	
7.4	Cargo secured against movement towards door	[]	[]	[]	
7.5	Securing by blocking/lashing: Material of appropriate strength, lashings tensioned	[]	[]	[]	
7.6	Packing complies with CTU Code and other national legislation.	[]	[]	[]	

8. Segregation of Cargo

S. No.	Description	Yes	No	N/A	Remarks
8.1	Segregation table per IMDG 7.2.4 applied correctly for hazard classes/subsidiary hazards (when consolidating different dangerous goods)	[]	[]	[]	
8.2	Specific requirements in column 16b of dangerous goods list complied with	[]	[]	[]	
8.3	Segregation for different compatibility groups of class 1 complied with	[]	[]	[]	
8.4	Segregation requirements in relation to foodstuffs observed	[]	[]	[]	



9. Approved Continuous Examination Program (ACEP) or Periodic Examination Scheme (PES) Label

S. No.	Description	Yes	No	N/A	Remarks
9.1	Presence and validity of ACEP or PES label	[]	[]	[]	

10. Serious Structural Deficiencies

S. No.	Description	Yes	No	N/A	Remarks
10.1	No serious deficiencies in frame elements, including corner/intermediate fittings (refer to resolution MSC.310(88))	[]	[]	[]	

11. Tie-Down Attachments of Road Tank Vehicles

S. No.	Description	Yes	No	N/A	Remarks
11.1	Condition and appropriateness of tie-down attachments	[]	[]	[]	

Notes



Training	Consultancy
IMDG Code for Shippers	All Aspects of Dangerous Goods Transport by Road/Rail/River/Sea Risk Analysis for Ports/CFS/ICD
IMDG Code for Freight Forwarders/Carriers	
IMDG Code for Shipboard Officers/Crew	
IMDG Code & Dangerous Goods Handling at Port, Container Freight Stations CFS/ICD	Classification of Waste under IMDG Code & Basel Convention
49CFR (USA Regulations) for Shippers	
Transport Classification for GHS/Safety Data Sheets	Classification of new products SDS Section 14- Transportation
ISO Tank - Dangerous Goods	
Emergency Response planning and training	Advise to vessel operators for carriage of dangerous goods and special cargoes

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