



Checklist for Marking and Labelling of Packages, IBCs, and Large Packagings (IMDG Code Chapters 5.1 and 5.2, Amendment 42-24, 2024 Edition)

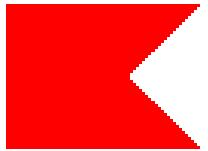
Introduction

This checklist covers the requirements for marking (e.g., UN number, proper shipping name, special marks) and labelling (hazard labels) of packages, IBCs, and large packagings containing dangerous goods, based on Chapters 5.1 (general provisions) and 5.2 (specific marking and labelling). This includes provisions for overpacks, unit loads, empty uncleaned packagings, mixed packing, and class-specific requirements. Always cross-reference with the full IMDG Code, as exemptions or special provisions may apply based on substance, class, or competent authority approvals. Ensure all marks and labels are durable, visible, legible, and identifiable after at least three months' immersion in the sea (5.2.1.2.2, 5.2.2.2.1.7).

This checklist is based on the IMDG Code. We've done our best to avoid mistakes. If you notice any errors or inconsistencies, please let us know, and the official IMDG Code will take precedence.

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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"/>

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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)

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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)

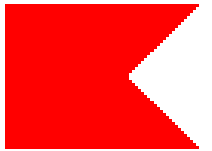
Requirement	Description	Yes	No	Not Applicable
Labelling and Marking (5.1.4)	Package labelled and marked as required for each substance; no subsidiary label if covered by primary.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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 × 100 mm, reducible to 100 mm × 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 ($X \geq 4$ 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 $\times 100$, rounded up) and CSI (sum for fissile) calculated correctly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Infectious (5.2.2.1.11)	6.2 + other labels per contents.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Articles UN 3537–3548 (5.2.2.1.13)	Labels per hazards; battery mark/label if lithium/sodium; orientation arrows if liquids.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>