IMDG Code Amendment 42-24 changes detailed summary

This summary provides details on many of the updates introduced in Amendment 42-24 of the IMDG Code, which may be used on an optional basis from 1 January 2025.

There is a general 12-month transitional period from January 1, 2025, to December 31, 2025, during which Amendment 41-22 can still be used.

The summary offers a detailed overview of the changes being introduced; however, they should not be regarded as a complete listing of all amendments. For full details, please refer to the text of Amendment 42-24.

The changes provided in this update are harmonized with the Model Regulations, 23rd edition.

Part 1 - GENERAL PROVISIONS, DEFINITIONS AND TRAINING		
IMDG ref	**Subject**	**Summary of changes**
1.1.16		A new note highlights that the standards referenced in the Code offer detailed guidance on how to comply with its provisions. These standards may also include additional requirements beyond those specified in the Code.
1.1.1.10		The header and text now refer to 'devices containing dangerous goods' (previously dangerous goods in equipment in use or intended for use during transport).
1.2.1	Definitions	Recycled plastics material definition rewritten – now specifically mentions IBCs. Degree of filling – new definition: "*Degree of filling means the ratio, expressed in %, of the volume of liquid or solid introduced at 15°C into the means of containment and the volume of the means of containment ready for use*."
Part 2 - CLASSIFICATION		
2.0.6.2		The text has been replaced and now refers to cells as well as batteries and references the requirements of SP310 for articles containing lithium cells or batteries manufactured in production runs of not more than 100 cells or batteries.
2.1	Class 1	**2.1.1.3.2** – the definition of pyrotechnic substance has been changed, 'a substance or a mixture of substances' now reads 'explosive substance'. **2.1.1.3.6** – new subparagraph to provide definition on what is meant by an explosive or pyrotechnic effect.
2.3	Class 3	**2.3.1.4** – adds the new UN 3555 to the list of desensitized explosives.
2.4	Class 4	**2.4.2.2.1.3** – new definition provided to clarify what is meant by 'metal powders'. Subsequent changes to 2.4.2.2.2.1 and 2.4.2.2.3.1 incorporating this new term.
2.5	Class 5	**2.5.3.2.4** - In the table of currently assigned organic peroxides in packagings, DI-2,4-DICHLOROBENZOYL PEROXIDE", concentration

		"≤ 52 as a paste with silicon oil" is now classified as UN 3104, with packing method 'OP5'. There are also three new entries: • UN 3105, METHYL ETHYL KETONE PEROXIDE(S) • UN 3109, DIBENZOYL PEROXIDE • Exempt, 2,5-DIMETHYL-2,5-DI- (tert-BUTYLPEROXY) HEXANE The addition of the new entry for UN 3105 (mentioned above) has led to new remarks, 33 and 34.
2.6	Class 6	**2.6.3.2.2.1** – in the table, 'culture only' added to monkeypox entry under UN 2814 to indicate this only applies to cultures.
2.7	Class 7	**2.7.1.3** – new note added to the definition of 'specific activity of a radionuclide' to clarify that the term 'activity concentration', which is commonly used in the regulations, is a synonym for 'specific activity'.

2.9	Class 9	**2.9.2.2** - The new SODIUM ION BATTERIES entries have been added to the list of subdivisions in class 9, and the two new UN Numbers, UN 3551 and 3552 included.
		
		The following existing entries have been amended:
		• Life-saving appliances - the new entry for UN 3559, FIRE SUPPRESSANT DISPERSING DEVICES has been added.
		
		• Genetically modified micro-organisms (GMMOs) and genetically modified organisms (GMOs) - new paragraph added exempting pharmaceutical products (such as vaccines) that are packed in a form ready to be administered, including those in clinical trials, and that contain GMMOs or GMOs from the Code's provisions.
		
		• Other substances or articles presenting a danger during transport, but not meeting the definitions of another class – the new vehicle entries have been added:
		  • UN 3556, VEHICLE, LITHIUM ION BATTERY POWERED
		  • UN 3557, VEHICLE, LITHIUM METAL BATTERY POWERED
		  • UN 3558, VEHICLE, SODIUM ION BATTERY POWERED
		
		2.9.4.7 – There is a new note added to clarify what is meant by 'make available' with regards to manufacturers and distributors making the test summary as specified in the Manual of Tests and Criteria, Part III, subsection 38.3, paragraph 38.3.5.
		
		2.9.5 – this is a new section added for SODIUM ION BATTERIES covering their assignment to UN 3551 and UN 3552 and the provisions they may be transported under.

2.10	Marine pollutants	**2.10.2.7** – the application of this paragraph is now clarified by limiting the exemption from the provisions of the IMDG Code (provisions relating to the marking and labelling of packages, placarding and marking of transport units, the transport document and stowage) to the "marine pollutant" characteristic alone. It references a new SP375.
Part 3 - DANGEROUS GOODS LIST, SPECIAL PROVISIONS AND EXCEPTIONS		

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3.1	General	**3.1.2.2** – the word 'and' has been removed from the first sentence as there are no PSNs that include this word as an option
3.2	DGL	**3.2.1** –the word 'article' is deleted in the descriptive text for column 5 since packing groups are not assigned to articles (see 2.0.1.3). • **UN 0331** – deletes tank provision TP1 • **UN 1006, 1013, 1046, 1066** – adds new SP406 relating to LQ provisions when transported in pressure receptacles containing not more than 1,000 mL. • **UN 1010** – in the descriptive text for the PSN it now needs to contain more than 20% butadienes (not 40% as previously), new SP402 added. • **UN 1204, 2059, 2555, 2556, 2907, 3064, 3319, 3343, 3344, 3357** adds SP28 regarding provisions for possible carriage as class 4.1 which has been revised specifically for these entries. • **UN 1361** – current SPs (SP925 for PGII, SP223 and SP925 for PGIII) and PP12 are removed (so no longer has possible exemptions from the Code nor permitted in certain types of bags). New SP978 added, new SW27 added, and the properties and observations have been amended. • **UN 1362** – current SPs are deleted (SP223 and SP925). New SP979 added. • **UN 1391** – now permitted in tanks, T13, with special tank provisions TP2, TP7 and new TP42 applicable. • **1835 PG II** - the word "SOLUTION" is replaced by the words "AQUEOUS SOLUTION with more than 2.5% but less than 25% tetramethylammonium hydroxide". New sub-hazard '6.1' and properties and observations updated to reflect the new perceived hazards for this substance. Additional special provisions also added, SP279 and the new SP408 and SP409 added (SP409 offers a transition period where the entry in A41 can still be used) • **1835 PG III** - the word "SOLUTION" is replaced by the words "AQUEOUS SOLUTION with not more than 2.5% tetramethylammonium hydroxide". New special provisions SP408 and SP409 added. • **UN 2028, 2870** (second entry 'in devices'), **3165** – packing group removed. • **UN 2303** – now considered to be a known marine pollutant with addition of 'P' in column 4. SW1 added to column 16a. • **UN 2795, 3292** – adds new SP401. • **UN 2803** – SP365 added. • **UN 2956** – SW11 added, this requires CTUs to be shaded from direct sunlight. Packages in CTUs must be stowed so as to allow for adequate air circulation throughout the cargo. • **UN 3077, 3082** – new SP375 added • **UN 3090, 3091, 3480, 3481** – properties and observations text has been updated. • **UN 3129** - PG II and III; **UN 3130 -** PG II and III; **UN 3148** in PG I, II and III – stowage category changes to 'D' so on deck only. Also, SW5 replaced by new stowage code 'SW31' which requires stowage away from potential sources of ignition. • **UN 3171** – properties and observations updated to more generically reflect what the entry applies to and differentiate from the new vehicle entries. • **UN 3270** – new SP403 added.

		• **UN 3292** – PSN amended, 'SODIUM' changed to read 'METALLIC SODIUM OR SODIUM ALLOY' for both alternative PSNs. • **UN 3423** – class changed from class 8 to be class 6.1subhazard 8, now PGI, SP279 and new SP409 added, no longer permitted in LQ and the EQ provisions have been tightened, E2 now replaced E5, no longer permitted in IBCs without competent authority approval (IBC99), tanks permitted now changed from T3 to T6. Properties and observations are updated. • **UN 3482** – now permitted to be carried in a tank, tank instruction T13 added along with special tank provisions TP2, TP7 and TP42. • **UN 3506** – additional clarification in properties and observations added that 'Mercury is highly corrosive to aluminum'. • **UN 3536** – changed stowage category to 'D' so on deck only, prohibited on passenger ships. Also, SW1 and SW2 added to protect from sources of heat and keep clear of living quarters. • **UN 3537, 3538, 3540, 3541, 3546, 3547, 3548** – SP310 added to identify that these articles may contain cells or batteries. • **New UN Numbers** (see table below for full entries): • **UN 0514** - FIRE SUPPRESSANT DISPERSING DEVICES • **UN 3551** – SODIUM ION BATTERIES with organic electrolyte • **UN 3552** – SODIUM ION BATTERIES CONTAINED IN EQUIPMENT or SODIUM ION BATTERIES PACKED WITH EQUIPMENT, with organic electrolyte • **UN 3553** – DISILANE • **UN 3554** - GALLIUM CONTAINED IN MANUFACTURED ARTICLES • **UN 3555** – TRIFLUOROMETH YLTETRAZOLE-SODIUM SALT IN ACETONE, with not less than 68% acetone, by mass • **UN 3556** – VEHICLE, LITHIUM ION BATTERY POWERED • **UN 3557** – VEHICLE, LITHIUM METAL BATTERY POWERED • **UN 3558** – VEHICLE, SODIUM ION BATTERY POWERED • **UN 3559** – FIRE SUPPRESSANT DISPERSING DEVICES • **UN 3560** - TETRAMETHYLAMMONIUM HYDROXIDE AQUEOUS SOLUTION with not less than 25% tetramethylammonium hydroxide
3.3	Special provisions	**Amended Special Provisions** • **SP28** – previously only covered most solid desensitized explosives of class 4.1 but not liquid desensitized explosives of class 3. To make this consistent it is now assigned to two further solid and five liquid desensitized explosives – UN 1204, 2059, 2555, 2556, 2907, 3064, 3319, 3343, 3344, 3357. Also, a new final sentence is added for when the value of diluent is not stated. • **SP188** – exemptions applicable to cells and batteries, now amended to include the new sodium ion entries. • **SP204** – removes transition period for smoke producing substances to be labelled to show their corrosives and/or toxic inhalation properties. • **SP230** – new sodium ion batteries included. • **SP252** – the existing text is replaced. It now provides provisions on when ammonium hot concentrated solutions can be

		transported under the UN 2426 entry and when they are not subject to the Code. • **SP280** – applicable to safety devices for vehicles, vessels or aircraft, clarifies that this entry does not apply to the new fire suppressant dispersing devices entries. • **SP296** – now identifies that life-saving appliances may also contain sodium ion batteries. • **SP310** – Applicable to cells or batteries from production runs of not more than 100 cells or batteries, or pre-production prototypes of cells or batteries when these prototypes are transported for testing – new first paragraph. Also now identifies that articles (UN Nos. 3537, 3538, 3540, 3541, 3546, 3547 or 3548) may contain such cells or batteries. • **SP328** – applicable to fuel cell cartridges when contained in equipment or packed with equipment, it now includes reference to UN 3552, SODIUM ION BATTERIES CONTAINED IN EQUIPMENT. • **SP348** – Amended to show it is applicable to both lithium ion batteries and sodium ion batteries. • **SP360** – applicable to vehicles, now amended to reflect to sodium ion batteries and the new entries in the DGL, UN 3556, 3557 and 3558. • **SP365** – previously only applied to manufactured instruments and articles containing mercury, now also applies to those containing gallium. • **SP366** – exemptions from the Code for manufactured instruments and articles containing not more than 1 kg of mercury now also apply to gallium. • **SP371** – update to the references in the paragraph relating to fire tests. • **SP376** – applicable to lithium ion cells or batteries identified as being damaged or defective, now also applies to sodium ion cells or batteries. • **SP377** – applicable to lithium ion and lithium metal cells and batteries and equipment containing such cells and batteries transported for disposal or recycling now also applicable to sodium ion cells or batteries. • **SP379** – applicable to Anhydrous ammonia, reference to ISO standard updated. • **SP388** – applicable to vehicles powered by flammable liquid or gas internal combustion engines or fuel cells, update to paragraph 5 to clarify what the existing UN 3171 is applicable to. New paragraph 6 added to incorporate the new vehicle battery powered DGL entries. In paragraph 7 (previously paragraph 6) the last two sentences referring to when vehicles are transported in a packaging are rewritten and finally there are two new paragraphs providing provisions for the applicability of lithium batteries and for lithium batteries when they are installed in a vehicle and are damaged or defective. • **SP396** – applicable to UN 3538, minor wording edit. • **SP922, 928, 931, 935, 939, 954, 964, 979** - where a certificate is required to prove that a substance is exempted from the provisions of the Code, reference is now added to the new documentation requirements in 5.4.4.2

		• **SP961** – regarding exemptions for the IMDG Code's provisions for vehicles subject to them meeting certain criteria, the first sentence has been reworded and references the existing SP388, new SP977 and packing instruction P912. A new paragraph has been added for vehicles powered solely by sodium ion batteries. • **SP962** – applicable to vehicles not meeting the exemptions permitted in SP961, .4 is amended to specifically reference SP388 and SP977, and the application of the final paragraph is clarified that is applies only to vehicles that are fully enclosed by packagings. • **SP964** – covering exemptions to the Code for class 5.1 nitrate entries has been reformatted and now includes reference to 5.4.4.2. • **SP972** - covering the requirement for lithium batteries to meet the requirements of 2.9.4 except for certain criteria, the referenced criteria have been added to. **New Special Provisions** • **SP375** – clarification on the exemptions from the Code's provisions for UN 3077 and 3082 which are MPs when packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less/ 5 kg or less. • **SP400** – applicable to the new sodium ion cells or batteries entries, provides exemptions from some of the Code's requirements if they meet certain conditions. • **SP401** – provides clarification on the UN Number assignment for sodium ion cells or batteries. • **SP402** – applicable to UN 1010 clarifying applicability of the entry. • **SP403** – applicable to UN 3270, clarifying conditions when nitrocellulose membrane filters covered by this entry are not subject to the Code's requirements, • **SP404** – applicable to UN 3558, provides conditions whereby vehicles powered by sodium ion batteries, containing no other dangerous goods, are not subject to other provisions of the Code provided that the battery is short-circuited in a verifiable manner. • **SP405** – applicable to the new vehicle entries advising exemptions from marking and labelling requirements if not fully enclosed in packagings etc. • **SP406** – applicable to certain compressed gases – UN Nos 1006, 1013, 1046, 1066, provides increase LQ value when transported in pressure receptacles. • **SP407** – applicable to the new FIRE SUPPRESSANT DISPERSING DEVICES entries, clarifies when either entry should be used. • **SP408** – applies to the TETRAMETHYLAMMONIUM HYDROXIDE AQUEOUS SOLUTION entries and provides details on classification of this substance. • **SP409** – provides a transition period for the new changes to the TETRAMETHYLAMMONIUM HYDROXIDE entries to take effect. • **SP977** – provides that the new VEHICLE, SODIUM ION BATTERY POWERED entry must meet the provisions of 2.9.5. • **SP978** – Applicable to CARBON entries, outlines what this entry covers, that it can't be exempted from the Code requirements according to UN manual of tests and criteria tests, packing group

		assignment, weather and packing requirements and stowage within a CTU. • **SP979** – Applicable to CARBON, ACTIVATED entry, and provides details of exemptions from the IMDG Code requirements
Part 4 – PACKING AND TANK PROVISIONS		
4.1	Use of packagings, including intermediate bulk containers (IBCs) and large packagings	**4.1.6.1** – regarding special packing provisions for gases has updates to some referenced standards and some clarifications on valve design and construction. **Packing instructions and provisions – amended** • **P002** – UN 1361 removed from PP12 – so can no longer be shipped in bags • **P003** – new UN 3554 for Gallium added to existing PP90. • **P006** – new section (5) added to this packing instruction which is specific to some of the 'articles containing ….' entries providing provisions for articles containing pre-production prototype lithium cells or batteries when they are transported for testing or production runs of not more than 100 lithium cells or batteries that are of a type that have not met the testing requirements of the Manual of Tests and Criteria, part III, subsection 38.3. • **P200** – a review of the tables has led to lots of editorial amendments and clarity being provided in some of the instructions although there aren't many substantive changes. The quantifying text for UN 1010 has been updated to reflect that change in the DGL, and the new UN 3553 has been added to table 2. • **P203** – applicable to class 2 refrigerated gases, there are minor clarifications added to the requirements closed and open cryogenic receptacles. • **P301** – applicable to UN 3165, removes the generic reference to 4.1.1 and adds more specific paragraph references within that section. • **P404/ P405/ P501/ P505/ P520/ P600/ P601/ P602/ P804** - minor formatting edits • **P603** – the special packing provision and reference to fissile material in 2.7.2.3.5 has been added to the additional requirements section. • **P620** – applying to UN 2814 and UN 2900, added that when liquid nitrogen is used as a coolant, the requirements of section 5.5.3 apply. • **P650** – applying to UN 3373, point 6 regarding the drop test for the packaging is amended. A note is added for both the drop test and the leakproof test that capability may be demonstrated by testing, assessment or experience. • **P800** – applying to UN 2803, PP41 is amended. • **P803** – applying to UN 2803, the packaging options have been clarified and there is a new requirement for the packagings used to conform to packing II level. • **P901** – applying to UN 3316, now mentions that if dry ice is used as a coolant, the requirements of 5.5.3 applies. • **P902** – applicable to UN 3268 and UN 3559, there is a note now added that UN 3559 is not permitted to be shipped unpackaged.

		• **P903** – now applied to the new UN 3551 and UN 3552 and no longer specific to just 'lithium' cells and batteries. • **P904** – applying to UN 3245, minor cosmetic edit to the additional notes. • **P905** – sodium ion batteries added to the additional note (c) requiring electric storage batteries (class 8) and lithium batteries (class 9) shall be disconnected or electrically isolated and secured to prevent any spillage of liquid. • **P907** – removed word 'packing' from first sentence. • **P908** - now applied to the new UN 3551 and UN 3552 and no longer specific to just 'lithium' cells and batteries, also no longer mentions applicable to damaged or defective lithium metal cells and batteries. Clarification regarding the applicability of the 'non-combustibility' to thermal insulation material and the cushioning material is added. • **P909** - now applied to the new UN 3551 and UN 3552 and no longer specific to just 'lithium' cells and batteries. • **P910** - now applied to the new UN 3551 and UN 3552 and no longer specific to just 'lithium' cells and batteries. Clarification regarding the applicability of the 'non-combustibility' to thermal insulation material and the cushioning material is added. • **P911** - now applied to the new UN 3551 and UN 3552 and no longer specific to just 'lithium' cells and batteries. • Several IBC instructions have had minor formatting changes (numbers deleted in front of lists etc.) • **IBC03** – change to B11 so that all applicable types of IBC can be used (previously just rigid or composite plastics IBCs (31H1, 31H2 and 31HZ1)) • **IBC520/ T23** – clarification that the formulations not listed in either 2.4.2.3.2.3 or 2.5.3.2.4 ….. previously 'and' … can be transported in in accordance with packing method OP8. • The entry for UN 3119, "Di-(3,5,5-trimethylhexanoyl) peroxide, not more than 52%, stable dispersion, in water can now be taken in a 31HA1 IBC • **LP03** – there is a new note 4 added providing additional requirements for articles containing pre-production prototype lithium cells or batteries when these prototypes are transported for testing or production runs of not more than 100 lithium cells or batteries that are of a type that have not met the testing requirements of the Manual of Tests and Criteria, part III, subsection 38.3. • **LP902** – minor formatting change. • **LP903** – removes the previous limitation of one battery or item of equipment containing a battery with the first line now applying to 'large cells with a gross mass of more than 500 g, large batteries with a gross mass of more than 12 kg, and equipment containing large cells or large batteries …'. This instruction also now applies to the new sodium ion battery entries. • **LP904** - now applied to the new UN 3551 and UN 3552. Clarification regarding the applicability of the 'non-combustibility' to thermal insulation material and the cushioning material is added. • **LP905** - now applied to the new UN 3551 and UN 3552. Clarification regarding the applicability of the 'non-combustibility'

		to thermal insulation material and the cushioning material is added. • **LP906** - now applied to the new UN 3551 and UN 3552. **Packing instructions and provisions – new** • **P303** – applicable to UN 3555. Has PP26 requiring packagings to be lead free. • **P912** – applicable to new vehicle entries, UN Nos 3556, 3557 and 3558 and requires the vehicle to be secured in a strong, rigid outer packagings of adequate strength for its intended use. The packagings do not need to meet the requirements of 4.1.1.3 (ie conform to a design type) and may exceed a net mass of 400kg. If over 30kg net mass it allows for the vehicle to be shipped unpackaged.
4.2	Use of portable tanks and multiple-element gas containers (MEGCS)	**4.2.3** – regarding general provisions for the use of portable tanks for the transport of refrigerated liquefied gases of class 2, clarification added regarding the degree of filling. **4.2.5.3** – there is a new tank special provision added, TP42, applicable to UN 1391 and UN 3482: 'Portable tanks are not authorized for the transport of caesium or rubidium dispersions.'
Part 5 - CONSIGNMENT		
5.2	Marking and labelling of packages including IBCs	**5.2.1.10** – The lithium battery marking requirements are now also applied to the new sodium ion battery entries. **5.2.2.1.13.1** – applies to labels for articles containing dangerous goods, in .1 where it mentions lithium batteries it now also refers to sodium ion batteries
5.4	Documentation	**5.4.1.5.18 –** applies to transport of UN 1361 and requires the following to be included on the transport documents: .1 Date of production … .2 Date of packing into packagings … .3 Temperature of the material on the day of packing into the packagings … °C" **5.4.3.1** – last sentence amended to now require that subsidiary hazards are also shown on a detailed stowage plan if used instead of a special list or manifest. **5.4.4.1.2** – examples deleted as now covered by new 5.4.4.2. **5.4.4.2** – new paragraph requiring a certificate exempting a substance, material or article from the provisions of the IMDG Code and referred to in a special provision to be submitted together with the cargo information required by SOLAS regulation VI/2.
Part 6 - CONSTRUCTION AND TESTING OF PACKAGINGS, INTERMEDIATE BULK CONTAINERS (IBCs), LARGE PACKAGINGS, PORTABLE TANKS, MULTIPLE-ELEMENT GAS CONTAINERS (MEGCs) AND ROAD TANK VEHICLES		
Part 6	General summary	**6.1.3.1** – now adds specific text on the location of the packaging marks and that they must be added to non-removable components of the packaging. There is a transitional period added until 31 December 2026 for implementing this change.

		6.1.4 – for steel, aluminum or other metal drums now changed to 'Drums may have rolling hoops, either expanded or separate' rather than the previous requirement for drums above 60 L to have, in general, have at least two expanded rolling hoops or, alternatively, at least two separate rolling hoops. **6.1.4.12** – fibreboard boxes now identified to also include 'corrugated fibreboard boxes'.
6.2	Provisions for the construction and testing of pressure receptacles, aerosol dispensers, small receptacles containing gas (gas cartridges) and fuel cell cartridges containing liquefied flammable gas	**6.2** – several updates to referenced standards throughout the chapter. **6.2.1.5.2** – there is a new note added at the end of this paragraph regarding testing and inspection for closed cryogenic receptacles relating to those receptacles constructed in accordance with A40-20 being able to continue to be used even if they do not conform to the requirements in A41-22 **6.2.2.7.3** – there is a new note added to the end of this paragraph regarding the marking of acetylene cylinders in compliance with the provisions in certain Amendments of the Code.
6.5	Provisions for the construction and testing of intermediate bulk containers (IBCs)	Several updates to referenced standards
6.6	Provisions for the construction and testing of large packagings	Several updates to referenced standards **6.6.5.3.2** – criteria for passing the top lift test for metal, rigid plastics and composite large packagings now specifies 'All types of large packagings other than flexible'
6.7	Provisions for the design, construction, inspection and testing of portable tanks and multiple-element gas containers (MEGCs)	**6.7.4.1.5** - in the example of the plate for marking (tanks for the transport of refrigerated liquefied gases of class 2) the degree of filling in the holding time box now reads 'Maximum allowable mass of gas filled
Part 7 – PROVISIONS CONCERNING TRANSPORT OPERATIONS		
7.1	General stowage provisions	**7.1.5** – New SW31 added requiring stowage away from potential sources of ignition, applies to certain water-reactive liquids – '*Stow away from potential sources of ignition, as determined in 7.4.2.3.2 or 7.5.2.8 or 7.6.2.2.2, as applicable.'*

7.2	General segregation provisions	**7.2.6.1** – now reworded to add clarity 'Notwithstanding 7.2.3.3 and **7.2.3.4 -** substances of the same class may be stowed together without regard to segregation required by secondary hazards (subsidiary hazard label(s)), provided that the substances do not react dangerously with each other and **do not** cause:….'
7.3	Consigning operations concerning the packing and use of cargo transport units (CTUs) and related provisions	**7.3.3.14** – regarding packing CTUs so weight is uniformly distributed, reference to CTU Code now done via a footnote.
7.6	Stowage and segregation on general cargo ships	**7.6.2.7.2** – specific stowage provisions for class 4 also now include UN 1361, CARBON. **7.6.2.8.4** – relating to stowage provision for ammonium nitrate, UN 1942 and UN 2067 with a new last sentence added 'The requirement for opening the cargo space hatches applies to the weather deck and tween deck hatches (if any)'.
ADDITIONAL CHANGES		
Index	-	For "BATTERIES, CONTAINING SODIUM", in the column for "Substance, material or article", replace the word "SODIUM" by the words "METALLIC SODIUM OR SODIUM ALLOY". For "BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, containing more than 40% butadienes", replace "40%" by "20%". For "CELLS, CONTAINING SODIUM", in the column for "Substance, material or article", replace the word "SODIUM" by the words "METALLIC SODIUM OR SODIUM ALLOY". For "Di-(2,4-dichlorobenzoyl) peroxide (concentration ≤ 52%, as a paste, with silicon oil), see", in the column for "UN No.", replace "3106" by "3104". For "2-Phenylpropene, see", "ISOPROPENYLBENZENE" and "alpha-Methylstyrene", in the column "MP", replace "–" by "P". Amend the entry for "TETRAMETHYLAMMONIUM HYDROXIDE SOLUTION" to read as follows:

Substance, material or article	MP	Class	UN. No.
TETRAMETHYLAMMONIUM HYDROXIDE AQUEOUS SOLUTION		6.1	3560
TETRAMETHYLAMMONIUM HYDROXIDE AQUEOUS SOLUTION		8	1835

There are the following new entries:

		<table><tr><th>Substance, material or article</th><th>MP</th><th>Class</th><th>UN No.</th></tr><tr><td>Batteries, sodium nickel chloride, see</td><td></td><td>4.3</td><td>3292</td></tr><tr><td>Butylenes mixture, see</td><td></td><td>2.1</td><td>1012</td></tr><tr><td>Dibenzoyl peroxide (concentration <=42%, with diluent Type A and water), see</td><td></td><td>5.2</td><td>3109</td></tr><tr><td>2,5-Dimethyl-2,5-di-(tert-butylperoxy)hexane (concentration <=22%, with inert solid), (exempt)</td><td></td><td></td><td></td></tr><tr><td>DISILANE</td><td></td><td>2.1</td><td>3553</td></tr><tr><td>FIRE SUPPRESSANT DISPERSING DEVICES</td><td></td><td>1.4S</td><td>0514</td></tr><tr><td>FIRE SUPPRESSANT DISPERSING DEVICES</td><td></td><td>9</td><td>3559</td></tr><tr><td>GALLIUM CONTAINED IN MANUFACTURED ARTICLES</td><td></td><td>8</td><td>3554</td></tr><tr><td>Methyl ethyl ketone peroxide(s) (concentration <=45%, with diluent Type A, available oxygen <=10%), see</td><td></td><td>5.2</td><td>3105</td></tr><tr><td>TRIFLUOROMETHYLTETRAZOLE-SODIUM SALT IN ACETONE, with not less than 68% acetone, by mass</td><td></td><td>3</td><td>3555</td></tr><tr><td>SODIUM BATTERIES with organic electrolyte</td><td></td><td>9</td><td>3551</td></tr><tr><td>SODIUM ION BATTERIES CONTAINED IN EQUIPMENT, with organic electrolyte</td><td></td><td>9</td><td>3552</td></tr><tr><td>SODIUM ION BATTERIES PACKED WITH EQUIPMENT, with organic electrolyte</td><td></td><td>8</td><td>3552</td></tr><tr><td>VEHICLE, LITHIUM ION BATTERY POWERED</td><td></td><td>9</td><td>3556</td></tr><tr><td>VEHICLE, LITHIUM METAL BATTERY POWERED</td><td></td><td>9</td><td>3557</td></tr><tr><td>VEHICLE, SODIUM ION BATTERY POWERED</td><td></td><td>9</td><td>3558</td></tr></table>
EmS	-	Spillage schedule S-B Corrosive substances - In the table, in column for "Special cases", after "UN 3506", add ", UN 3554". Following new entries added: <table><tr><th>UN No.</th><th>EmS Fire</th><th>EmS Spill</th></tr><tr><td>0514</td><td>F-B</td><td>S-X</td></tr><tr><td>3551</td><td>F-A</td><td>S-I</td></tr><tr><td>3552</td><td>F-A</td><td>S-I</td></tr><tr><td>3553</td><td>F-D</td><td>S-U</td></tr><tr><td>3554</td><td>F-A</td><td>S-B</td></tr><tr><td>3555</td><td>F-E</td><td>S-Y</td></tr><tr><td>3556</td><td>F-A</td><td>S-I</td></tr><tr><td>3557</td><td>F-A</td><td>S-I</td></tr><tr><td>3558</td><td>F-A</td><td>S-I</td></tr><tr><td>3559</td><td>F-B</td><td>S-X</td></tr><tr><td>3560</td><td>F-A</td><td>S-B</td></tr></table>

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