



Hazmat Helps

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© Safety Specialists, Inc. Charlotte, NC (704) 573-0955 ken@hazmathelp.com

IMDG Amendment 34 Changes

Amendment 34-08 of the International Maritime Dangerous Goods Code was permissively effective 01/01/2009.

Which amendment should I use?

Amendment 34-08 became valid on January 1, 2009 and may be used until 12/31/2011. You may also use Amendment 33-06 until 12/31/2009.

There are many changes throughout the text of Amendment 34, the main changes are:

Dangerous Goods List

Applicable chapter references are now included in the column headings.

Columns 12 & 13 have been combined. DOT, IM & IMO tanks are not authorized after January 1, 2010. Additional information on next page.

Additional items in the Dangerous Goods List

There are 12 new UN numbers going up to 3481, with explosives going up to 0508.

New UN numbers added in Amendment 34-08:

- UN 0506 SIGNALS, DISTRESS, ship
- UN 0507 SIGNALS, SMOKE
- UN 0508 1-HYDROXYBENZOTRIAZOLE, ANHYDROUS
- UN 3474 1-HYDROXYBENZOTRIAZOLE, ANHYDROUS, WETTED with not less than 20% water, by mass
- UN 3475 ETHANOL AND GASOLINE MIXTURE or ETHANOL AND MOTOR SPIRIT MIXTURE or ETHANOL AND PETROL MIXTURE, with more than 10% ethanol
- UN 3476 FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing water-reactive substances

- UN 3477 FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing corrosive substances
- UN 3478 FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing liquefied flammable gas
- UN 3479 FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing hydrogen in metal hydride
- UN 3480 LITHIUM ION BATTERIES
- UN 3481 LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT or LITHIUM ION BATTERIES PACKED WITH EQUIPMENT

There are 5 UN numbers which were not previously listed in the IMDG Code because they were not regulated under it. They are now shown with the observation "Not subject to the provisions of this Code but may be subject to provisions governing the transport of dangerous goods by other modes". This could be useful when a shipment needs to be labeled as hazardous at some other part of its journey. UN Numbers not previously listed in IMDG but that have been included in Amendment 34-08:

- UN 1910 CALCIUM OXIDE (air 49 CFR & IATA)
- UN 2807 MAGNETIZED MATERIAL (air 49 CFR & IATA)
- UN 2812 SODIUM ALUMINATE, SOLID (air 49 CFR & IATA)
- UN 3166 ENGINE, INTERNAL COMBUSTION OR VEHICLE, FLAMMABLE GAS OR VEHICLE, FLAMMABLE LIQUID POWERED (49 CFR & IATA)
- UN 3171 BATTERY-POWERED VEHICLE OR BATTERY-POWERED EQUIPMENT (49 CFR & IATA)



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IMDG Amendment 34 Changes (continued)

Changes to Proper shipping names.

Some proper shipping names have changed.

The most notable are Lithium Batteries to Lithium Metal Batteries and Lithium Batteries packed with equipment or Lithium Batteries contained in equipment to Lithium Metal Batteries packed equipment or Lithium Metal Batteries contained in equipment.

SSI note: These regulations did not change in 49 CFR. Do not use the new ID number or new proper shipping names for domestic shipments

Training

Appropriate training for shore-side staff involved with dangerous goods is now mandatory instead of just recommended, and may be audited by the competent authority. Persons not yet trained may only operate under the direct supervision of a trained person. SSI note: IN the United States this is permitted for only 90 days according to the 49 CFR.

Marine pollutant



The concept of a severe marine pollutant PP is deleted; they are just designated as P. The marine pollutant 'bullet' symbol is also deleted, but a shipper will still need to declare any consignment as being a marine pollutant if it meets the criteria. There is a new section 2.9.3 describing these, and chapter 2.10 is rewritten. The new marine pollutant label is a dead tree and dead fish. **SSI note: 49 CFR Regulations differ.**

IMO tank instructions

The IMO tank instruction column disappears from the Dangerous Goods List because the transitional provisions on their use will have expired by the time this amendment becomes mandatory on 1/1/2010.

Excepted quantities



There is a new column 7b in the Dangerous Goods List for excepted quantities. These are small amounts, up to 30g or 30ml per inner package, 1kg per outer package. These are subject only to the rules of the new chapter 3.5, part 2 (classification) and some sections of 4.1 (packing) and 5.4 (documentation). They will be labeled with an "excepted quantity" label and the class number. The dangerous goods form shall state the words "dangerous goods in excepted quantities" together with the description of the shipment. An entry E0 in column 7b indicates that a substance may not be transported in excepted quantities. Codes E1 to E5 indicate different quantity limits according to a table in chapter 3.5. The total number of excepted quantity packages in a CTU shall not exceed 1000.

Limited quantities

For a substance not permitted in limited quantities, the column 7a of the Dangerous Goods List entry "None" becomes "0".

Radioactive materials of class 7

For class 7 radioactives, chapter 2.7 is completely rewritten, and there is a new chapter 1.5, 'general provisions concerning class 7'.

If you have additional questions, please contact Safety Specialists at 704-573-0955.