



Seafarma

Medical Supplies

IMDG/MFAG CODE

Poison treatment chest



This document contains the complete list of medicines and medical supplies for the vessel's poison treatment chest and is based on the IMDG/MFAG Code International Maritime Dangerous Goods Code 2020 Edition Supplement¹.

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¹ IMDG Code international maritime dangerous goods code 2020 Edition supplement p168-170 ISBN:978-92-801-0052-5



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List of medicines and equipment IMDG/MFAG

Preamble

1. Medicines and equipment already available in the ship's medicine chest may be counted towards the IMDG/MFAG numerical requirements outlined below.
2. In some cases, alternatives are given. This means that one of the given alternatives should be chosen.
3. Not all drugs and antidotes on the list may be licensed as pharmaceutical specialist in all member states and thus available for general purchase. In such case, the national authorities may issue a modified list, also in English, where drugs on the below list not available are substituted with analogue drugs in corresponding quantities.
4. In countries with official lists of contents of a ship's medicine chest, the national authorities can decide to substitute some of the drugs on the below list with analogous drugs available in the ordinary ship's medicine chest. See appendix one for the national lists which deviate from the IMDG/MFAG.
5. The recommended minimum quantities are based on an estimate of risk to persons on board and the time within which full treatment on shore can be given.
6. National authorities can decide on exemption from carrying these medicines for vessels making short regular voyages of 10 minutes or less.

Labelling, storage and dispensing should, in general, conform to the relevant specifications in the IMGS. Contents and storage conditions should be checked at least once a year, taking account of the manufacturers expiry date and instructions. Medicines used should be replaced as soon as possible.

Column A: Shows the recommended minimum requirements for ships carrying dangerous good when casualties cannot be hospitalized on shore within 24 hours.

Column B: Shows the recommended minimum requirement for ships carrying dangerous good when casualties can be hospitalized on shore within 24 hours.

Column C: Shows the recommended minimum requirement for ships carrying dangerous good when casualties can be hospitalized on shore within 2 hours.



| Medicine | Format/ Standard unit | Recommended minimum quantity | | | Dosage |
|---|---|------------------------------|-------------------|-------------|--|
| | | A | B | C | |
| Amoxycillin | Capsules 500mg | 30 Capsules | <i>None</i> | <i>None</i> | 500 mg x 3 |
| Anaesthetic eye drops | Eye drops (bottle) | 5 Bottles | 5 Bottles | 5 Bottles | Several drops x several |
| Antibiotic eye ointment | Eye ointment (tube) | 5 Tubes | 5 Tubes | <i>None</i> | Apply 2 to 4 times daily ore more frequently if required |
| Atropine | Injection fluid 1 (or 0,5) mg/mL (1mL ampoule) | 15 (or 30) x 1 mL | 15 (or 30) x 1 mL | <i>None</i> | 1 mg x Several |
| Beclomethasone (including inhalation device) | Inhalation aerosol 50 µg/dose (200 doses) or 250 µg/dose (200 doses) | 5 x 200 Doses | 5 x 200 Doses | <i>None</i> | 250 µg x Several (5 puffs of 50 µg/dose) or (1 puf of 250 µg/doses) |
| or | | or | or | or | or |
| Budenoside (including inhalation device) | Inhalation aerosol 200 µg/dose (100 Dose) | 5 x 100 Doses | 5 x100 Doses | <i>None</i> | 400 µg x Several (2 puffs of 200 µg/dose) |
| Calcium Gluconate gel | Gel 2% (25g tube) | 5 Tubes | 5 Tubes | 5 Tubes | Apply several times |
| Calcium Gluconate | Effervescent (Tablets 1g) | 20 Tablets | 20 tablets | <i>None</i> | 5 g x 2 |
| Cefuroxime | Injection substance 750 mg (750 mg bottle) | 10 x 750 mg | <i>None</i> | <i>None</i> | 750 mg x 3 |
| Charcoal, activated | Powder (50 g bottle) | 2 x 50 g | 2 x 50 g | <i>None</i> | 50 g x 1 |
| | or | or | or | or | |
| | Effervescent granules (5 g sachet) | 10 x 5 g | 10 x 5 g | <i>None</i> | |
| Diazepam Rectal | Rectal solution 10 mg (ampoule) | 5 x 10mg | 5 x 10 mg | <i>None</i> | 10 mg x 1 to 5 |



| | | | | | |
|--|---|--------------------------|--------------------------|---------------|---|
| Erythromycin | Tablets 500 mg | 30 x 500 mg | <i>None</i> | <i>None</i> | 500 mg x 4 |
| Ethyl alcohol | Solution 99,5% (500 mL bottle) | 3 x 500 mL | 1 x 500 mL | <i>None</i> | 25 mL x 8 (25 mL 99,5 % in 250 to 300 mL Water or soft drink) |
| Fluorescien | Eye test strip | 1 Package | <i>None</i> | <i>None</i> | 1 test Strip x 2 |
| Furosemide (frusemide) | Injection fluid 10 mg/mL (5 mL ampoule) | 5 x 5 mL | <i>None</i> | <i>None</i> | 50 mg x 3 |
| Metoclopramide | Injection fluid 5 mg/mL (2 mL ampoule) | 30 x 2 mL | 10 x 2 mL | 5 x 2 mL | 10 mg x 3 |
| Metronidazole | Suppositories 1 g | 10 x 1g | <i>None</i> | <i>None</i> | 1 g x 3 |
| Morphine sulphate | Injection fluid 10 mg/mL (1 mL ampoule) | 40 x 1mL | 10 x 1 mL | 5 x 1 mL | 10 to 20 mg x 6 or 7 |
| Naloxone | Injection fluid 0,4 mg/mL (1mL ampoule) | 5 x 1 mL | 5 x 1 mL | 2 x 1 mL | 0,4mg x 1 to 5 |
| Oral rehydration salts (ORS) | Sachets or tablets to disslove in water | ORS To give 18L solution | ORS To give 6 L solution | <i>None</i> | L x 3 Or more |
| Paracetamol | Tablets 0,5g | 200 Tablets | 100 Tablets | 20 Tablets | 1g x 4 |
| Phytomenadione | Injection fluid 10mg/mL (1mL ampoule) | 10 x 1mL | <i>None</i> | <i>None</i> | 10 mg x 2 Or more |
| Plasma expander (gelatine-based) | Infusion fluids (500mL bottles) | 3 x 500 mL | 3 x 500 mL | <i>None</i> | 500 mL x 1 to 3 |
| Salbutamol (including inhalation device) | Inhalation aerosol 100 µg/dose (200 dose) | 5 x 200 Doses | 5 x 200 Doses | 1 x 200 Doses | 200 µg x Sercial (2 puffs of 100 µg/dose) |
| or | or | or | or | or | or |
| Terbutaline (including inhalation device) | Inhalation aerosol 500 µg/dose (50 dose) | 5 x 50 Doses | 5 x 50 Doses | 1 x 50 Doses | 500 µg x Sercial (2 puffs of 500 µg/dose) |
| Sodium chloride, isotonic (saline) | 9 mg/mL (0.9%) (1 L bottle) | 5 x 1L | 3 x 1 L | 1 L x 1 to 3 | 1 L x 1 to 3 |



| Equipment | Recommended minimum quantity | | |
|---|------------------------------|------------------|------|
| | A | B | C |
| Guedel airway size 2 | 2 | 2 | 2 |
| Guedel airway size 3 | 2 | 2 | 2 |
| Guedel airway size 4 | 2 | 2 | 2 |
| IV Canulla (size 1.2) | 10 | 10 | None |
| IV Infusion set | 10 | 10 | None |
| Needles size 0,8 | 100 | 50 | 10 |
| Simple face mask (allowing up to 60% oxygen), disposable | 10 | 10 | 2 |
| Valve and bag manual resuscitator | 2 | 2 | 2 |
| Oxygen cylinder | 40 L/200 bar* | 40 L/200 bar* | None |
| Portable oxygen-giving set ready for use | 1* (2 L/200 bar) | 1*(2 L/200 bar) | 1 |
| Spare portable oxygen cylinder | 1* (2 L/200 bar) | 1* (2 L/200 bar) | 1 |
| Rectal infusion set | 1 | None | None |
| Catheter French gauge 26 rectal | 6 | None | None |
| Syringe 2 mL | 100 | 50 | 10 |
| Syringe 5 mL | 10 | 10 | None |
| IMDG CODE International maritime dangerous goods code 2014 Edition supplement | 1 | 1 | 1 |

A minimum of 44 L/200 bar oxygen of which there should be at least:

- One complete portable set with 2L/200 bar oxygen ready for use with a spare cylinder of 2L/200 bar.
- One oxygen cylinder of 40L/200 bar (at ship's hospital, assembled for direct use) with one flowmeter unit(two ports) for supplying of oxygen for two persons at the same time. If more than one nonportable oxygen cylinder is used, there must be two flowmeter units for supplying of oxygen for two persons at the same time.



Appendix one: National lists which deviate from the IMDG/MFAG

| Country name | Law name |
|---------------|---|
| Dutch | Regeling veiligheid zeeschepen: Council Directive 92/29/EEC |
| German | Medizinischen Anforderungen in der Seeschifffahrt |



Appendix two: Regeling veiligheid zeeschepen IMDG/MFAG

List of medicines and equipment

Preamble

Column A: Cargo ships, sailing ships and fishing vessels with an unlimited sailing area.

Column B: Cargo ships, sailing ships and fishing vessels with a sailing area that does not extend beyond GMDSS sea area A2 as referred to in regulation IV / 2 of the SOLAS Convention and cargo ships.

Column C: Passenger ships carrying out short international or national voyages as referred to in regulation III / 3 of the SOLAS Convention and passenger ships certified in accordance with the SCV Code with which travel is undertaken in exposed waters (exposed waters) as intended.

Max.: Maximum quantities.

1. The quantities specified in columns A to C apply to vessels carrying up to 15 crewmembers. Quantities must be multiplied for each extra group of 15 crewmembers, With the understanding that the quantities stated in column Max. are the maximum quantities needed.
2. For a ship carrying 15 to 24 crewmembers, the quantities only have to be increased by 50 percent. If the quantity of a product mentioned in the tables is one, it remains one quantity.
3. Medicines and equipment already available in the ship's medicine chest may be counted towards the IMDG/MFAG numerical requirements outlined below.

| Code | Medicine name Dutch | Medicine name English | Format/ Standard unit | Recommended minimum quantity | | | |
|--------|--------------------------------------|-------------------------------------|--------------------------|------------------------------|----|----|------|
| | | | | A | B | C | Max. |
| 1.3.03 | Furosemide (ampullen) | Furosemide (ampoule) | 40 mg/4 mL | 10 | 10 | 10 | 20 |
| 1.4.02 | Fytomenadion (ampullen) | Phytomenadione (ampoule) | 10 mg/1 mL | 10 | 5 | 5 | 15 |
| 2.2.03 | Metoclopramide (ampullen) | Metoclopramide (ampoule) | 10 mg/2 mL | 30 | 10 | 10 | 60 |



| | | | | | | | |
|---------|------------------------------------|---|--------------------|-----|------|------|-----|
| 3.1.03 | Paracetamol (tabletten) | Paracetamol (tablets) | 500 mg | 200 | 100 | 100 | 300 |
| 3.2.03 | Morfine HCl (ampullen) | Morphine sulphate (ampoule) | 10 mg/1 mL | 40 | 10 | 20 | 40 |
| 3.4.01 | Naloxon (ampullen) | Naloxon (ampoule) | 0,4 mg/1 mL | 6 | 6 | 12 | 24 |
| 4.1.02 | Diazepam mikroclysmata | Diazepam rectal | 10 mg/2,5 mL | 10 | 5 | 20 | 20 |
| 6.1.02 | Salbutamol (inhalator) | Salbutamol (inhalator) | 0,1 mg/ds, 200 ds | 5 | 5 | 5 | 5 |
| 6.1.03 | Beclomethasone (inhalator) | Beclomethasone (inhalator) | 0,05 mg/ds, 200 ds | 5 | 5 | 5 | 5 |
| 6.1.04 | Voorzetkamer | Inhalation device | | 2 | 2 | 2 | 2 |
| 7.4.03 | Metronidazol (Zetpil) | Metronidazole (suppository) | 500 mg | 10 | None | None | 25 |
| 8.1.02 | NaCl 0,9% infuusvloeistof | sodium chloride 0.9%, isotonic (infusion fluid) | 500 mL | 10 | 6 | 6 | 10 |
| 9.2.06 | Tetracycline oogzalf 1% | Antibiotic eye ointment 1% | 4g Tube | 5 | 3 | 3 | 10 |
| 10.1.01 | Calciumgluconaat gel 2% | Calcium gluconate gel 2% | 25g Tube | 5 | 5 | 10 | 40 |
| 10.2.05 | Atropinesulfaat (ampullen) | Atropine (ampoule) | 1 mg/1 mL | 15 | 15 | 30 | 100 |
| 10.2.06 | Calciumgluconaat (bruis-tablet) | Calciumgluconaat effervescent | 1g Effervecent | 20 | 20 | 40 | 100 |
| 10.2.09 | Geactiveerde kool, poeder (flacon) | Charcoal, activated (Bottle) | 50 g Bottle | 2 | 2 | 2 | 2 |
| 10.2.10 | Aethylalcohol 95% (flacon) | Ethyl alcohol 95% (Bottle) | 500 mL Bottle | 3 | 1 | 1 | 3 |



| Code | Equipment Name Dutch | Equipment Name Engels | Format / Standard unit | Recommended minimum quantity | | | |
|-----------|--|---|------------------------|------------------------------|------|------|------|
| | | | | A | B | C | Max. |
| II.1.01 | Beademingsballon met masker | Valve and bag manual resuscitator | - | 1 | 1 | 1 | 1 |
| II.1.02.b | Zuurstoffles reserve | Oxygen cylinder reserve | 2 l/200 bar | 1 | 1 | 3 | 3 |
| II.1.02.c | Zuurstoffles met één regulator met twee flowmeters | Oxygen cylinder and one regulator with two flowmeters | 40 l/200 bar | 1 | 1 | 1 | 1 |
| II.1.04 | Brook Airway of Lifeway of equivalent | Brook Airway or Lifeway or equivalent | None | 2 | 2 | None | 4 |
| II.1.05.a | Guedel airway (mayo-tube) | Guedel airway | Size 2 | 2 | 2 | 2 | 4 |
| II.1.05.b | Guedel airway (mayo-tube) | Guedel airway | Size 3 | 2 | 2 | 2 | 4 |
| II.1.05.c | Guedel airway (mayo-tube) | Guedel airway | Size 4 | 2 | 2 | 2 | 4 |
| II.1.06 | Zuurstofmasker tot zuurstof | Simple face mask disposable | Up to 60% oxygen | 10 | 10 | 10 | 20 |
| II.5.02.b | Catheter voor druppelclysma rectaal | Catheter rectal | French gauge 26 | 6 | None | None | 12 |
| II.5.05.a | Injectiespuiten steriel disposable | Syringe sterile disposable | 2 mL | 100 | 50 | 50 | 200 |
| II.5.05.b | Injectiespuiten steriel disposable | Syringe sterile disposable | 5 mL | None | 10 | None | 20 |
| II.5.05.d | Injectienaalden steriel | Injection needle sterile | 40x0,8 mm | 100 | 50 | 50 | 200 |
| II.5.05.e | Infuusnaalden steriel | IV Canulla sterile | 1.2 mm | 10 | 10 | 10 | 20 |
| II.5.05.f | Infuus systeem steriel | IV Infusion set | None | 10 | 10 | 10 | 20 |
| II.5.05.g | Stuwband | Tourniquet rubber | None | 2 | 2 | 2 | 4 |
| II.9.01.b | Bodybag | Bodybag | None | 2 | None | None | 2 |



| | | | | | | | |
|---------|--|--|-------------|---|---|---|---|
| II.9.11 | MFAG, laatste editie incl. aanvullingen als bedoeld in artikel 25 van de Regeling veiligheid zeeschepen | IMDG CODE International maritime dangerous goods code 2014 Edition supplement | <i>None</i> | 1 | 1 | 1 | 1 |
|---------|--|--|-------------|---|---|---|---|

Appendix three: Medizinischen Anforderungen in der Seeschiffahrt

Preamble

Column A: Merchant ships (without fishing) with an unlimited sailing area.

Directory A1: 1 to 20 crew

Directory A2: 21 to 99 crew

Column A: Vessels used for large deep-sea fishing (fishing, which is operated outside the borders of the small ocean-going fishing).

Directory A1: 1 to 20 crew

Directory A2: 21 to 99 crew

Column B: Merchant ships (without fishing) with a sailing area that does not extend beyond European (Baltic Sea, in the North Sea and along the Norwegian coast to 64 ° North latitude, otherwise up to 61 ° North latitude and 7 ° West longitude and to the ports Britain, Ireland and the Atlantic coast France, Spain and Portugal excluding Gibraltar).

Directory B1: 1 to 20 crew

Directory B2: 21 to 399 crew

Directory B2: 400 to 800 crew

Column B: small deep-sea fishing vessels which operated in the Baltic Sea, the North Sea and in the area bounded on the north by the latitudinal parallel 63 ° North from the Norwegian coast to the meridian 10 ° West, from there to the south to 60 nautical miles north the Irish coast, at a distance of 60 nautical miles along the west coast of Ireland to 50 ° 30 'north and 10 ° west and from there in a straight line to the lighthouse of Creach (Ushant).

Directory B1: 1 to 99 crew



Column C: Merchant ships (without fishing) with a sailing area that does not extend beyond national and coastal voyage (drive from German ports to German ports and German islands, as well as the Netherlands, Denmark, Poland).

Directory C1: 2 to 99 crew

Directory C1: 100 to 399 crew

Directory C1: 400 to 800 crew

Column C: Coastal fishing vessels which operated on fishing trips from the westernmost part of the Federal Republic of Germany or the neighbouring coastal countries at a distance of not more than 30 nautical miles from the German coast.

Directory C1: 2 to 99

Minimum quantities

1. Minimum quantity of medicines and equipment already available in the ship's medicine chest may not be counted towards the IMDG/MFAG numerical requirements.

| Code | Equipment Name German | Equipment Name Engels | Format / Standard unit | Recommended minimum quantity | | | | | |
|--------|-------------------------------------|----------------------------------|---------------------------------|------------------------------|------|------|------|------|------|
| | | | | A1 | A2 | B1 | B2 | C1 | C2 |
| 1.03 | Salbutamol (inhalator) | Salbutamol (inhaler) | | 3 | 3 | 3 | 3 | 1 | 0 |
| 2.08 | Atropin (ampullen) | Atropine (ampoule) | 0,5 mg | 20 | 20 | 5 | 5 | 5 | 5 |
| 3.02 | Metoclopramide (ampullen) | Metoclopramide (ampoule) | 10 mg/ 2 mL | 20 | 20 | 5 | 5 | 5 | 5 |
| 3.07 | Orale rehydrierungssalze | Oral rehydration salts (ORS) | Dissolve in 200 mL water | 40 | 40 | 20 | 20 | None | None |
| 5.02 | Paracetamol (tabletten) | Paracetamol (tablets) | 500 mg | 120 | 100 | 60 | 60 | 20 | None |
| 5.08 | Morphin (ampullen) | Morphine sulphate (ampoule) | 10 mg | 30 | 30 | 10 | 10 | 5 | 5 |
| 5.08.6 | Naloxon (ampullen) | Naloxon (ampoule) | 10 mg | None | None | 6 | 6 | 6 | 6 |
| 11.01 | Ringeracetatlösung (plastikflasche) | Ringer solution (plastic bottle) | Infusion fluids (500mL bottles) | None | None | None | None | 2 | 2 |
| 11.03 | Infusion set | IV Infusion set | 1,2 to 1,3mm | 6 | 4 | 6 | 4 | None | None |



| | | | | | | | | | |
|----------|------------------------------------|--------------------------------|---------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 15.01 | Oxyburpocain (Augentropfen) | Oxybuprocaine eye drops | 10 mL | 4 | 4 | 4 | 4 | 5 | 5 |
| 15.03.1 | Ofloxacin (Augensalbe) | Ofloxacin eye ointment | 3 g | 3 | 2 | 4 | 4 | <i>None</i> | <i>None</i> |
| 18.0.1.1 | Alkoholtupfer | Alcohol swabs | 100 swabs for skin disinfection | <i>None</i> | <i>None</i> | <i>None</i> | <i>None</i> | 1 | 1 |
| 21.01a | Einmalspritze | Disposable syringe | 2 mL | 50 | 50 | 25 | 25 | 10 | 10 |
| 21.01b | Einmalspritze | Disposable syringe | 5 mL | 10 | 10 | 10 | 10 | <i>None</i> | <i>None</i> |
| 21.01c | Einmalspritze | Disposable syringe | 10 mL | 10 | 10 | <i>None</i> | <i>None</i> | <i>None</i> | <i>None</i> |
| 21.02 | Einmalkanüle | Disposable cannula | Size 2 | 85 | 85 | 45 | 45 | 10 | 10 |

| | | | | | | | | | |
|---------|--|---|----------------|-------------|-------------|---|---|-------------|-------------|
| 23.01 | Medizinischer Sauerstoffflasche mit Druckminderer und regelbarem Durchfluss, angeschlossene n mit Sauerstoffschlauch und Inhalationsmaske nach 23.02.2. | Medical Oxygen cylinder with pressure reducer and adjustable flow, connected with oxygen hose and mask according to 23.02.2. | 10 L / 200 bar | <i>None</i> | <i>None</i> | 2 | 2 | <i>None</i> | <i>None</i> |
| 23.01.1 | Medizinischer Sauerstoff reserveflasche | Medical Oxygen reserve bottle | 10 L / 200 bar | <i>None</i> | <i>None</i> | 2 | 2 | <i>None</i> | <i>None</i> |



| | | | | | | | | | |
|---------|---|--|------------------------|------|------|------|------|---|------|
| 23.02 | Tragbares medizinischer Sauerstoffflasche mit Druckminderer Und regelbarem Durchfluss, angeschlossene n mit Sauerstoffschlauch und Inhalationsmaske nach 23.02.2. | Portable medical Oxygen cylinder with pressure reducer and adjustable flow, connected oxygen tube and mask according to 23.02.2. | 10 L / 200 bar | None | None | None | None | 1 | 1 |
| 23.02.1 | Medizinischer Sauerstoff Reserveflasche medizinischer | Medical oxygen reserve bottle | 2 L / 200 bar | None | None | None | None | 1 | 1 |
| 23.02.2 | Einweg-Sauerstoff Inhalationsmaske mit reservoirbeutel | Disposable oxygen inhalation mask with reservoir bag | 60% + O2 concentration | None | None | 5 | 5 | 2 | 2 |
| 23.04 | Guedel-Tubus | Guedel tube | Size 3 and 4 | 1 | 1 | 1 | 1 | 1 | 1 |
| 23.06 | Beatmungsbeutel mit Sauerstoffreservoir und Sauerstoffschlauch | Resuscitator with oxygen reservoir and oxygen tube | | 1 | 1 | 1 | 1 | 1 | 1 |
| 24.03 | Betäubungsmittelbuch | Narcotics book | None | None | None | None | None | 1 | None |
| 24.08 | Leitfaden für medizinische Erste-Hilfe-Maßnahmen bei Unfällen mit gefährlichen Gütern (Medical First Aid Guide – | Guide to medical First aid measures at Accidents with dangerous Goods (Medical F) | None | None | None | None | None | 1 | 1 |



| | | | | | | | | | |
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