



**Unloading standards and prescriptions on deposit and reception with a view to
authorising the
discharge of wash water¹ containing cargo residues
(Edition – 2018)**

Superseded by resolution 2016-II-4

Provisions governing implementation of the table

When discharging wash water¹ with cargo residues from holds or cargo tanks that comply with the unloading standards defined in Part B, Article 5.01 of the Implementing Regulation, the regulations governing deposit/reception applicable to the cargo and to the hold and cargo tank unloading standard will be found in the following table. The columns of the table have the following meaning:

1. Column 1: Goods number according to the standard goods classification for transport statistics (NST) with a minor adjustment in the allocation of the goods to the goods numbers owing to their chemical nature and environmental risk assessment.
2. Column 2: Type of goods as described in the NST with minor rearrangement owing to their chemical nature and environmental risk assessment.
3. Column 3: Wash water, may be discharged into the river provided that prior to washing the relevant unloading standard has been complied with
A: swept hold or stripped tank
or
B: vacuum cleaned hold.
4. Column 4: Deposit of the wash water
 - a) by discharge into an appropriate sewer system (leading to a sewage treatment plant) or
 - b) by evacuation to a sewage treatment plant or
 - c) into a water treatment plant at the cargo recipient or handling facility or wash water reception station via the connections provided for that purpose,
provided that prior to washing the relevant unloading standard has been complied with
A: swept hold or stripped tank
or
B: vacuum cleaned hold.

If the wash water contains settleable substances (such as particles or sand) that could clog the sewer system, these substances are to be eliminated if possible by appropriate devices and technologies before being discharged into the public sewer (for example in a settling tank or by means of coalescent separators).

The reception stations specified in a to c above (sewage-treatment plant or water treatment plant) must be approved, where this is provided for by the national provisions of the Contracting Parties.

¹ Please note when implementing unloading standards: wash water also includes rainwater and ballast water from the relevant cargo hold or tank (see definition in article 5.01 I).

5. Column 5: Depositing of the wash water to reception stations for special treatment S. The treatment process depends on the type of cargo, typically removal of the wash water to a suitable treatment plant for processing (not deposited with a local sewage treatment plant). An alternative process, for example spraying onto stored cargo, is possible if there is a comment to this effect in column 6.
In the case of special treatment of the wash water as well – where technically possible – unloading standard A (swept hold or stripped tank) is to be complied with prior to washing.
6. Column 6: Reference to comments in the footnotes.
7. Depositing of the wash water in application of the unloading standards as laid down in columns 3 to 6.
An “X” in column 3 or 4 means that disposing of wash water in this way is prohibited.
If column 4 contains no information, the wash water may nevertheless be deposited in this way, provided that at a minimum the unloading standard specified in column 3 is complied with (a more stringent unloading standard is always permitted).
8. Additional information on the use of this table
 - a) If before washing the cargo holds or cargo tanks do not at least comply with the appropriate unloading standard A or B, the wash water then offloading for special treatment S is required.
 - b) If cargo residues from different types of goods are present, their disposal will be dictated by the goods with the most stringent deposit/reception regulations in the table. Additives to the wash water (e.g. cleaning agents) are also to be taken into account. Wash water containing cleaning agents must not be discharged into the river.
 - c) For the goods itemised in annex III, contaminated with petroleum or other substances requiring special treatment in accordance with annex III, special treatment S of wash water is required when cleaning cargo tanks or cargo holds.
 - d) When transporting shipments such as vehicles, containers, intermediate bulk containers, palletised and packaged goods, the deposit/reception regulations shall be determined by the loose or liquid goods contained in these shipments if goods have leaked out or otherwise escaped as a result of damage or loss of integrity.
 - e) Rainwater and ballast water from washed holds or cargo tanks may be discharged into the river.
 - f) Wash water from swept side decks and other slightly soiled surfaces such as hold hatch covers, roofs, etc. may be discharged into the river.
 - g) The depositing of wash water for special treatment, even if not required in column 5, is possible as a basic principle.
In the case of special treatment of the wash water as well – where technically possible – unloading standard A (swept hold or stripped tank) is to be complied with prior to washing.

1	2	3	4	5	6
Commodity code	Type of goods	Discharged into the water	Turn over to collection points for		Remarks
			sewerage	special treatment	

0	AGRICULTURAL, FORESTRY AND RELATED PRODUCTS (incl. live animals)				
00	LIVE ANIMALS				
001	Live animals (except fish)				
0010	Live animals (except fish)	X	A		
01	CEREALS				
011	Wheat				
0110	Wheat	A			
012	Barley				
0120	Barley	A			
013	Rye				
0130	Rye	A			
014	Oats				
0140	Oats	A			
015	Maize				
0150	Maize	A			
016	Rice				
0160	Rice	A			
019	Other cereals				
0190	Buckwheat, millet, cereals, unspecified, mixed cereals	A			
02	POTATOES				
020	Potatoes				
0200	Potatoes	A			
03	FRESH FRUIT, FRESH AND FROZEN VEGETABLES				
031	Citrus fruit				
0310	Citrus fruit	A			
035	Other fresh fruit				
0350	Berries and fruit, fresh	A			
039	Fresh and frozen vegetables				
0390	Vegetables, fresh or frozen	A			
04	TEXTILES AND WASTE OF TEXTILE MATERIALS				
041	Wool and other animal hair				
0410	Wool and other animal hair	A			
042	Cotton				
0421	Cotton, cotton fibres, cotton wool	A			
0422	Cotton waste, linters	A			
043	Man-made fibres				
0430	Man-made fibres, e.g. synthetic fibres, rayon	B	A		
045	Other vegetable textile materials, silk				
0451	Flax, true hemp, jute, coconut fibres, sisal, tow	A			
0452	Fibre waste	B	A		
0453	Silk	A			
0459	Textile fibres, unspecified	B	A		

1	2	3	4	5	6
Commodity code	Type of goods	Discharged into the water	Turn over to collection points for		Remarks
			sewerage	special treatment	

049	Rags and waste of textile material				
0490	Rags, cotton waste, textile waste	B	A		
05	WOOD AND CORK				
051	Paper and other pulp wood				
0511	Pulp wood, paper pulp	A			
0512	Wood for distillation	A			
052	Pit props				
0520	Pit props	A			1)
055	Other wood in the round				
0550	Wood in the round, logs	A			1)
056	Railway or tramway sleepers and other processed wood (except for pit props)				
0560	Beams, wood for floor boards, for parquet flooring, planks, boards, rafters, masts, stakes, poles, squared timber, battens, parquet boards, sawn timber, sleepers	X	A		
057	Fuel wood, wood charcoal, cork, wood waste, waste cork				
0571	Fuel wood, wood waste, contaminated waste wood, wood chippings, wooden slabs, wooden strips	X	A		
0572	Fascines	A			
0573	Wood charcoal, charcoal briquettes	A			
0574	Cork, unworked, cork bark scrap	A			
06	SUGAR BEET				
060	Sugar beet				
0600	Sugar beet	A			
09	OTHER RAW VEGETABLE, ANIMAL AND RELATED MATERIALS				
091	Raw hides and skins				
0911	Hides and skins, raw	X	X	S	
0912	Leather waste, leather flour	B	A		
092	Natural and synthetic rubber, raw and reclaimed				
0921	Gutta-percha, raw, rubber, natural or synthetic, rubber milk, latex	B	A		
0922	Reclaimed rubber	B	A		
0923	Rubber waste, rubber goods, old, missing	B	A		
099	Other non-edible vegetable and animal materials (except for pulp and waste paper)				
0991	Vegetable raw materials, e.g. bamboo, raffia, esparto grass, dye-woods, resins, copal, quilting cotton, quilting wool, barks for dyeing, for tanning, seeds, grain, unspecified, reed, seaweed	A		S	3)
0992	Animal raw materials, e.g. coagulum, blood meal, fathers, bonemeal	B	A		
0993	Vegetable raw material waste	A			
0994	Animal raw material waste	X	A		

Remarks: 1) guaranteed untreated
3) for dressed seed: S

1	2	3	4	5	6
Commodity code	Type of goods	Discharged into the Water	Turn over to collection points for		Remarks
			sewerage	special treatment	

1	OTHER FOODSTUFFS AND FODDER				
11	SUGAR				
111	Raw sugar				
1110	Raw sugar (cane sugar, beet sugar)	X	A		
112	Refined sugar				
1120	Sugar, refined, candy sugar	X	A		
113	Molasses, syrup, artificial honey				
1130	Molasses, syrup, artificial honey	X	A		
114	Glucose, fructose, maltose				
1140	Glucose (= dextrose = grape sugar), fructose, maltose	X	A		
115	Sugar confectionery				
1150	Sugar confectionery	X	A		
12	BEVERAGES				
121	Wine of fresh grapes, grape must				
1210	Wine of fresh grapes, grape must	A			
122	Beer				
1220	Beer	A			
125	Other alcoholic beverages				
1250	Alcoholic beverages e.g. brandy, undenatured, fruit wine, must, spirits	A			
128	Non-alcoholic beverages				
1281	Non-alcoholic beverages, e.g. lemonade	A			
1282	Natural mineral water, mineral water, unspecified	A			
13	STIMULANTS AND FOOD PREPARATIONS, UNSPECIFIED				
131	Coffee				
1310	Coffee	A			
132	Cocoa and chocolate				
1320	Cocoa and chocolate	A			
133	Tea and spices				
1330	Tea and spices	A			
134	Unmanufactured tobacco and tobacco products				
1340	Unmanufactured tobacco, manufactured tobacco, tobacco products	A			
136	Honey				
1360	Honey	X	A		
139	Food preparations, unspecified				
1390	Vinegar, yeast, coffee substitutes, mustard, soup concentrates, food preparations, unspecified	X	A		

1	2	3	4	5	6
Commodity code	Type of goods	Discharged into the water	Turn over to collection points for		Remarks
			sewerage	special treatment	

14	MEAT, FISH, MEAT AND FISH PRODUCTS, EGGS, MILK AND DAIRY PRODUCTS, EDIBLE FATS				
141	Meat, fresh or frozen				
1410	Meat, fresh or frozen	X	A		
142	Fish, crustaceans and molluscs, fresh, frozen, dried, salted and smoked				
1420	Fish, fish products	X	A		
143	Fresh milk and cream				
1430	Buttermilk, yoghurt, kefir, skimmed milk, milk beverages, whey, cream	A			
144	Other dairy products				
1441	Butter, cheese, cheese products	A			
1442	Milk, condensed	A			
1449	Milcherzeugnisse, nicht spezifiziert	A			
145	Margarine and other edible fats				
1450	Margarine, edible fats, edible oils	X	A		
146	Eggs				
1460	Eggs	A			
1461	Egg powder	B	A		
147	Meat, dried, salted, smoked, preserved meat and other meat products				
1470	Meat products: meat, dried, salted, smoked, and other meat products	X	A		
1471	Preserved meat	A			
148	Fish and mollusc products of all types				
1480	Fish marinades, fish salads, fish and mollusc products, unspecified	X	A		
1481	Fish conserves	A			
16	CEREAL, FRUIT AND VEGETABLE PRODUCTS, HOPS				
161	Flour, cereal meal and groats				
1610	Cereal meal, cereal mixtures, brown flour, meal, groats, soya meal	B	A		
162	Malt				
1620	Malt, malt extract	A			
163	Other cereal preparations (incl. pastry products)				
1631	Pastry products, all varieties of pasta	A			
1632	Cereal flakes, grains, cereal products, unspecified	B	A		
1633	Wet starch, potato starch meal, starch, starch products, dextrin (soluble starch), gluten	X	A		
164	Dried fruit, preserved fruit and other fruit products				
1640	Fruit, dried, preserved fruit, fruit juices, jams, marmalade, fruit products, unspecified	A			
165	Dried pulses				
1650	Pulses, dried	A			

1	2	3	4	5	6
Commodity code	Type of goods	Discharged into the water	Turn over to Collection points for		Remarks
			sewerage	special treatmentg	

166	Dried vegetables, preserved vegetables and other vegetable products				
1661	Vegetables, dried, preserved vegetables, vegetable juices	A			
1662	Vegetable products, unspecified, e.g. potato flour, sago, tapioca flour	B	A		
167	Hops				
1670	Hops	A			
17	ANIMAL FEEDSTUFFS				
171	Straw and hay				
1711	Hay, hay chaff, straw, straw chaff	A			
1712	Grass meal, clover meal, lucerne meal, including in pellet form	B	A		
172	Oil cake and other residues resulting from the extraction of vegetable oils				
1720	Expeller, extraction flour, whole grain flour, oil cake, soy meal, including in pellet form	A, B	A		14)
179	Other animal feedstuffs incl. waste from food industries				
1791	Animal feedstuffs, of mineral origin e.g. calcium phosphate, dicalcium phosphate (phosphoric acid chalk), chalk mixtures	X	A		
1792	Animal feedstuffs, of vegetable origin, e.g. fodder crops, fodder molasses, fodder root crops, cereal middlings, gluten feed, potato pulp, potato scraps, glutens, bran, cassava roots	A, B	A		14)
1793	Animal foodstuffs or animal origin, e.g. fish meal, shrimps, mollusc shells, including in pellet form	X	A	S	16)
1794	Sugar beet pulp, after extraction of the sugar or dry, including in pellet form	A			
1795	Animal feedstuffs, of vegetable origin, other food industry waste products and residues, including in pellet form	X	X	S	
1799	Animal feedstuffs, additives, unspecified, including in pellet form	X	X	S	
18	OIL SEEDS, OLEAGINOUS FRUITS, VEGETABLE AND ANIMAL OILS AND FATS (except edible fats)				
181	Oil seeds and oleaginous fruits				
1811	Cotton seed, groundnuts, copra, palm kernels, rape, rape seed, soya beans, sunflower seed, oleaginous fruits, including in pellet form, unspecified	A			
1812	Oleaginous fruits, oleaginous seeds for use as a recognised seed	A			
1813	Meal of oleaginous fruits	B	A		
182	Vegetable and animal oils and fats (except edible fats)				
1821	Oils and fats, of vegetable origin, e.g. groundnut oil, palm oil, soya bean oil, sunflower-seed oil	X	A		
1822	Oil and fats, of animal origin, e.g. from fishes and marine creatures, fish oil, tallow	X	A		
1823	Industrial vegetable and animal oils and fats, e.g. fatty acid, varnish, oleic acid (olein), palmitic acid, stearin, stearin pitch, stearic acid	X	A		

Remarks: 14) if flour: B
16) if waste: S

1	2	3	4	5	6
Commodity code	Type of goods	Discharged into the water	Turn over to collection points for		Remarks
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2	SOLID MINERAL FUELS				
21	HARD COAL AND HARD COAL BRIQUETTES				
211	Hard coal				
2110	Anthracite, fine washery tailings, bituminous coal, steam coal, gas coal, hard coal, unspecified	A			18)
213	Hard coal briquettes				
2130	Anthracite briquettes, hard coal briquettes	A			18)
22	LIGNITE, LIGNITE BRIQUETTES AND PEAT				
221	Lignite				
2210	Lignite, pitch coal	A			18)
223	Lignite briquettes				
2230	Lignite briquettes	A			18)
224	Peat				
2240	Fire peat, fertiliser peat, peat briquettes, peat litter, peat, unspecified	A			18)
23	HARD COAL COKE AND LIGNITE COKE				
231	Hard coal coke				
2310	Hard coal coke, gas coke, foundry coke (carbon coke), coke briquettes, semi-coke	A			18)
233	Lignite coke				
2330	Lignite coke, lignite briquettes, lignite semi-coke	A			18)

Remarks: 18) Alternatively, spraying onto stored cargo is also possible where cleaning is to be waived in conjunction with the required unloading standard.

1	2	3	4	5	6
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3	OIL, PETROLEUM, PETROLEUM PRODUCTS, GASES				
31	CRUDE OIL, PETROLEUM				
310	Crude oil, petroleum				
3100	Oil, crude, petroleum, crude (crude naphtha)	X	X	S	
32	FUELS AND HEATING OIL				
321	Motor spirit (gasoline) and other light oils				
3211	Gasoline, gasoline-benzole mixture	X	X	S	
3212	Light petroleum oil, naphtha, motor gasoline, unspecified	X	X	S	
323	Petroleum, turbo-combustion engine fuel				
3231	Petroleum, heating petroleum, paraffin	X	X	S	
3232	Kerosene, turbo-combustion engine fuel, jet fuel, unspecified	X	X	S	
325	Gas oil, diesel oil and light heating oil				
3251	Diesel fuel, diesel oil, gas oil	X	X	S	
3252	Heating oil, light, extra light	X	X	S	
3253	Fatty Acid Methyl Ester (FAME, biodiesel)	X	X	S	
327	Heavy heating oil				
3270	Heating oil, medium, medium heavy, heavy	X	X	S	
33	NATURAL, REFINERY AND RELATED GASES				
330	Natural. refinery and related gases				
3301	Butadienes	X	X	S	
3302	Acetylenes, cyclohexane, gaseous hydrocarbons, methane, other natural gases	X	X	S	
3303	Ethylene (=ethene), butane, butylene, isobutane, isobutylene, hydrocarbon mixtures, propane, propane-butane mixtures, propylene, refinery gases, unspecified	X	X	S	
34	NON-FUEL DERIVATIVES, UNSPECIFIED				
341	Lubricating oils and greases				
3411	Mineral lubricating oils, engine oils, lubricating greases	X	X	S	
3412	Waste oil, drain oil	X	X	S	
343	Bitumen and bituminous mixtures				
3430	Bitumen, bitumen emulsions, bitumen solutions, bitumen adhesive mass, cold tar, cold asphalt, pitch emulsions (cold bitumen), pitch solutions, tar emulsions, tar solutions, bituminous mixtures, unspecified	X	X	S	
349	Non-fuel derivatives, unspecified				
3491	Acetylene coke, petroleum coke (pet coke)	X	X	S	4)
3492	Carbon Black Oil, paraffin wax, pyrolysis oil, pyrolysis residues (pyrotar), heavy oil, not for heating	X	X	S	
3493	Paraffin, transformer oil, wax, non-fuel derivatives, unspecified	X	X	S	

Remarks: 4) As an alternative to "S", spraying onto stored cargo is possible where this is not prohibited by national regulations. If spraying onto stored cargo is prohibited by domestic regulations, the wash water must be removed to a facility for the harmless disposal of the sewage.

1	2	3	4	5	6
Commodity code	Type of goods	Discharged into the water	Turn over to collection points for		Remarks
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4	ORES AND METAL WASTES				
41	IRON ORE (except roasted pyrites)				
410	Iron ores and concentrates (except roasted pyrites)				
4101	Iron ores, haematite concentrates, bog iron ore	A		S	5), 18)
4102	Waste and intermediate products generated in preparing ores for metal extraction	X	A	S	4), 5)
45	NF ORES, COMBUSTION PRODUCTS, WASTE AND SCRAP				
451	NF metal waste, combustion products, ash and scrap				
4511	Aluminium and aluminium alloy waste, ash, residues, slag and scrap	A, B	A	S	5), 15)
4512	Lead and lead alloy waste, ash, residues, slag and scrap	X	X	S	
4513	Copper and copper alloy (brass) waste, ash, residues, slag and scrap	B	A, B	S	5), 15)
4514	Zinc and zinc alloy waste, ash, residues, slag and scrap	B		S	5)
4515	Tin and tin alloy waste, ash, residues, slag and scrap	B	A	S	4), 5)
4516	Vanadium and vanadium alloy waste, ash, residues, slag and scrap	B		S	4), 5)
4517	NF metal and NF metal alloy (unspecified) waste, ash, residues, slag and scrap	X	X	S	
4518	NF metal ores combustion products	X	X	S	
452	Copper ores and concentrates				
4520	Copper ores, copper concentrates	X	A	S	4), 5)
453	Bauxite, aluminium ores and concentrates				
4530	Bauxite, including calcined bauxite, aluminium ores, aluminium concentrates, corundum, lepidolite	A			18)
455	Manganese ores and concentrates				
4550	Manganese dioxide, natural, manganese carbonate, natural, manganese dioxide, natural, manganese ores, manganese concentrates	A			18)
459	Other NF metal ores and concentrates				
4591	Lead ores, lead concentrates	X	X	S	
4592	Chrome ores, chrome concentrates	X	X	S	4), 5)
4593	Zinc ores (calamine), zinc concentrates	X	A		18)
4599	NF metal ores, concentrates, unspecified, e.g. ilmenite (titanium iron ore), cobalt ore, monazite, nickel ore, rutile (titanium ore), tin ore, zircon ore, zircon sand	X	X	S	4)

Remarks:

4) As an alternative to "S", spraying onto stored cargo is possible where this is not prohibited by national regulations. If spraying onto stored cargo is prohibited by domestic regulations, the wash water must be removed to a facility for the harmless disposal of the sewage.

5) S obligatory for water soluble metal salts; precludes spraying onto stored cargo.

15) if waste and scrap: A, otherwise B

18) Alternatively spraying onto stored cargo is also possible where cleaning is to be waived in conjunction with the required unloading standard.

1	2	3	4	5	6
Commodity code	Type of goods	Discharged into the water	Turn over to collection points for		Remarks
			sewerage	special treatment	

46	IRON AND STEEL WASTE AND SCRAP, roasted pyrites				
462	Iron and steel scrap for remelting				
4621	Waste, shavings, scrap for remelting, e.g. of sheet iron and steel, sheet bars, sections and rails	X	A		18)
4622	Other iron and steel scrap, for remelting, e.g. axles, old sheet metal, end-of-life vehicles, iron, old, missing, pieces of iron from wrecking activity, projectiles, broken iron castings, parts, left over ingots, rail sections, sleepers, Stainless steel scrap	X	A		18)
4623	Iron pellets, for remelting	X	A		18)
463	Iron and steel scrap, not for remelting				
4631	Waste, waste parts from sheet iron and steel, plates, sheet bars, sections and rails, waste iron shavings, rolling mill waste, all not for remelting	X	A		18)
4632	Iron and steel scrap, not for remelting, e.g. axles, iron and steel lumps, tyres, wheel sets, track, sleepers, pieces of steel from demolition work, steel shafts	X	A		18)
465	Iron slag and ash for remelting				
4650	Mill scale, mill slag, mill cinder, iron slag, unspecified	X	X	S	
466	Blast furnace dust				
4660	Flue dust, top gas dust, blast furnace dust	X	X	S	
467	Roasted pyrites				
4670	Iron pyrites, roasted, roasted pyrites, pyrites, roasted	X	X	S	

Remarks: 18) Alternatively spraying onto stored cargo is also possible where cleaning is to be waived in conjunction with the required unloading standard.

1	2	3	4	5	6
Commodity code	Type of goods	Discharged into the water	Turn over to collection points for		Remarks
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5	IRON, STEEL AND NF METALS (including semi-finished products)				
51	PIG IRON, FERRO-ALLOYS, CRUDE STEEL				
512	Pig iron, spiegeleisen and carburised ferro-manganese				
5121	Pig iron in pigs, blocks, e.g. ferro-phosphorous, haematite pig iron, pig iron, containing phosphorous, spiegeleisen	A		S	6)
5122	Ferro-manganese with a carbon content greater than 2%, in pigs, in blocks	A		S	6)
5123	Iron filings, steel filings	B		S	6)
5124	Spongy iron, spongy steel, iron slag (steel skulls, pig iron skulls)	A		S	6)
513	Ferro-alloys (except carburised ferro-manganese)				
5131	Iron alloys, unspecified	A		S	6)
5132	Ferro-manganese with a carbon content of up to 2%, ferro-manganese alloys, unspecified	A		S	6)
5133	Ferrosilicon (silico-manganese), ferro manganese silicon	A		S	6)
515	Crude steel				
5150	Crude steel in ingots, in slabs, in blocks, in cast rounds	A		S	6)
52	SEMI-FINISHED ROLLED STEEL PRODUCTS				
522	Semi-finished rolled steel products				
5221	Semi-finished rolled steel in ingots, in slabs, in billets, in sheet bars	A		S	6)
5222	Wide steel strip (coils)	A		S	6)
5223	Wide steel strip (coils), for rolling	A		S	6)
523	Other semi-finished rolled steel products				
5230	Blooms, crude blooms, tube blanks	A		S	6)
53	BAR STEEL AND SHAPED STEEL, WIRE, RAILWAY OR TRAMWAY TRACK CONSTRUCTION MATERIAL				
531	Bar steel and shaped steel				
5311	Bar steel and shaped steel, e.g. H, I, T, U and other special profiles, round steel and square bar steel	A		S	6)
5312	Steel sheet piling	A		S	6)
5313	Reinforcing steel e.g. rebar steel (reinforcing bar steel), cold twisting TOR steel, TOR steel	A		S	6)
535	Wire rod				
5350	Iron or steel wire rod	A		S	6)
537	Railway or tramway track construction material of steel				
5370	Railway or tramway track construction material of steel e.g. track, sleepers, steel powered rails with some parts made of NF metal	A		S	6)
Remarks: 6) if contaminated with petroleum S					

1	2	3	4	5	6
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Commodity code	Type of goods	Discharged into the water	Turn over to collection points for		Remarks
			sewerage	special treatment	
54	STEEL SHEETS, TIN PLATE AND TINNED STRIP, STEEL STRIP, INCLUDING SURFACE COATED				
541	Steel sheets and wide flats				
5411	Wide flats (universal plate)	A		S	6)
5412	Plates in sheets or rolls (e.g. coils) of steel, e.g. electrical sheets, magnetic steel sheets, electrical steel, thin plate, ultra-thin plate, medium plate, heavy plate, diamond steel sheets, bulb embossed plate, goffered plate, corrugated and sieving sheets, armoured plate	A		S	6)
544	Steel strip, including surface coated, tinned strip, tin plate				
5441	Tinned strip, tin plate	A		S	6)
5442	Steel strip, including surface coated	A		S	6)
55	TUBES AND THE LIKE STEEL, CRUDE FOUNDRY PRODUCTS AND IRON AND STEEL FORGINGS				
551	Tubes, tube and pipe fittings of steel, of cast iron				
5510	Tubes, tube and pipe fittings, tube coils of steel, of cast iron	A		S	6)
552	Crude foundry products and forgings of steel, of cast iron				
5520	Shaped, pressed, forged, stamped pieces of steel, of cast iron	A		S	6)
56	NF METALS AND NF SEMI-MANUFACTURED PRODUCTS				
561	Copper and copper alloys				
5611	Anode copper, precopper (converter copper, black copper)	A		S	6)
5612	Copper (electrolytic copper, refined copper), copper alloys, e.g. bronze, brass	A		S	6)
562	Aluminium and aluminium alloys				
5620	Aluminium, aluminium alloys	A		S	6)
563	Lead and lead alloys				
5630	Lead (electrolytic lead, smelted lead, rolled lead), lead alloys, lead dust, (ground crude lead)	X	X	S	
564	Zinc and zinc alloys				
5640	Zinc (spelter, electrolytic zinc, refined zinc, hard zinc), zinc alloys	A		S	6)
565	Other NF metals and their alloys				
5651	Magnesium, magnesium alloys	A		S	6)
5652	Nickel, nickel alloys	B	A	S	6)
5653	Tin, tin alloys	B	A	S	6)
5659	NF metals, NF metal alloys, unspecified	X	X	S	
Remarks: 6) if contaminated with petroleum S					

1	2	3	4	5	6
Commodity code	Type of goods	Discharged into the water	Turn over to collection points for		Remarks
			sewerage	special treatment	

568	NF semi-finished metal products				
5681	Strip, plates, sheets, of NF metals and NF metal alloys	A		S	6)
5682	Wire of NF metals and NF metal alloys	A		S	6)
5683	Foils of NF metals and NF metal alloys	A		S	6)
5684	Sections and bars of NF metals and NF metal alloys	A		S	6)
5689	NF semi-finished metal products, unspecified	A		S	6)

Remarks: 6) if contaminated with petroleum S

1	2	3	4	5	6
Commodity code	Type of goods	Discharged into the water	Turn over to collection points for		Remarks
			sewerage	special treatment	

6	STONE AND EARTH (including building materials)				
61	SAND, GRAVEL, PUMICE, CLAY, SLAG				
611	Sand for industrial use				
6110	Moulding sand, foundry sand, glass sand, luting sand, quartz sand, quartzite sand, sand for industrial use, unspecified	A			
612	Other natural sand and gravel				
6120	Gravel, including broken, sand, other	A			
613	Pumice, pumice sand and pumice gravel				
6131	Pumice, ground pumice powder	A			
6132	Pumice gravel, pumice sand	A			
614	Clay earth, clay and clay-containing soils				
6141	Bentonite, expanded clay, argillaceous shale, kaolin, clay earth, china clay, clay, fuller's earth, crude and unpackaged, dinas nuggets, crushed dinas (silica nuggets, crushed silica)	A			
6142	Bentonite, expanded clay, argillaceous shale, kaolin, clay earth, china clay, clay, fuller's earth, crude and packaged, fireclay, fireclay powder	A			
615	Slag and ash, not for remelting				
6151	Blast-furnace ash, ash from waste incineration, deslagging ash from zinc smelters (retort residue), ash from fuel, fly ash, boiler ash, grate ash, bottom ash, unspecified	X	X	S	
6152	Iron slag, blast furnace slag, coal slag, coke slag, slag, containing iron, containing manganese, welding slag, grit from blast furnace slag, slag from fuels, unspecified	X	A		18)
6153	Pumice slag	A			
6154	Slag sand	A			
6155	Wood ash, coal ash, coke ash (including fly ash or associated boiler ash)	X	A		18)
6156	Slag from lead and copper smelters, slag from waste incineration, slags unspecified	X	X	S	
62	SALT, PYRITES, SULPHURE				
621	Rock salt and saline salt				
6210	Sodium chloride, de-icing salt, evaporated salt, food grade salt, rock salt, cattle salt, salt, including denatured, unspecified	A			
622	Iron pyrites, unroasted				
6220	Iron pyrites, unroasted	A			
623	Sulphur				
6230	Sulphur, unrefined	A			

Remarks: 18) Alternatively, spraying onto stored cargo is also possible where cleaning is to be waived in conjunction with the required unloading standard.

1	2	3	4	5	6
Commodity code	Type of goods	Discharged into the water	Turn over to collection points for		Remarks
			sewerage	special treatment	

63	OTHER STONES, EARTHS AND RELATED RAW MATERIALS				
631	Erratics, ballast and other crushed stone				
6311	Boulders, erratics, lava slag, ballast, stones, blocks of stone, unprocessed, from quarries	A			
6312	Excavated stone, pebbles, stone grit, stone powder, stone sand, stone chippings, up to 32 mm diameter, lava chippings, raw perlite	A			
6313	Lava gravel	A			
632	Marble, granite and other building stone, slate				
6321	Basalt blocks, basalt slabs, marble blocks, marble slabs, phonolite, slate blocks, slabs, tuff material, ashlar blocks and other stones, roughly hewn	A			
6322	Phonolite grit, phonolite chippings, fused cast basalt, crushed basalt, basalt stones, slate, burned, ground, crushed, diameter up to 32 mm	A			
633	Limestone and gypsum				
6331	Dolomite (calcium magnesium carbonate), dunite, calcite, olivine	A			
6332	Dolomite (calcium magnesium carbonate), dunite, calcite, olivine, all crushed, ground, diameter up to 32 mm	A			
6333	Gypsum	A			
6334	Gypsum, crushed, ground, diameter up to 32 mm	A			
6335	Agricultural lime, fertilisers, calcareous, limestone residues, marl	A			
634	Chalk				
6341	Chalk, crude (calcium carbonate, natural)	A			
6342	Chalk, for use as a fertiliser	A			
639	Other crude minerals				
6390	Asbestos, crude (asbestos earth, stone, powder, fibres, agglomerate), asbestos waste	X	X	S	
6391	Asphalt (asphaltite), asphalt earth, asphalt stones, asphalt products, for road building	X	X	S	
6392	Barite (barium sulphate), heavy spar, witherite	A			
6393	Borax, boron minerals, feldspar, fluorspar (fluorite), crystal grade	X	B		
6394	Magnesia, magnesite, crystal grade, magnesite, also calcined, sintered, magnesium oxide (magnesia)	A			
6395	earth, uncontaminated mud, e.g. sewage sludge from municipal sewage plants, overburden, brackish water, garden earth, humus, fossil meal, silicious earth, moler earth, sludge	X	A		18)
6396	Contaminated mud, e.g. sewage sludge from industrial sewage plants, Building rubble, contaminated excavated material, domestic refuse, blast furnace waste, refuse	X	X	S	
6397	Colliery tailings	A			
6398	Crude potassium salts, e.g. kainit, carnallite, kieserite, sylvinit, Montanal	A			
6399	Miscellaneous raw minerals, e.g. earth colours, Glauber's salt (sodium sulphate), mica, kernite, cryolite, quartz, quartzite, soapstone, steatite, French chalk, trass, brickbats, brick rubble	A			
64	CEMENT AND LIMESTONE				
641	Cement				
6411	Cement	B			
6412	Cement clinker	A			
642	Limestone				
6420	Limestone, in boulders, also calcined, hydraulic lime, slaked lime	A			

Remarks: 18) Alternatively, spraying onto stored cargo is also possible where cleaning is to be waived in conjunction with the required unloading standard.

1	2	3	4	5	6
Commodity code	Type of goods	Discharged into the water	Turn over to collection points for		Remarks
			sewerage	special treatment	

65	PLASTER				
650	Plaster				
6501	Plaster, calcined	A			
6502	Plaster, crude, for fertiliser	A			
6503	Plaster from flue gas desulphurisation plants, other industrial plaster	A			
69	OTHER MINERAL BUILDING MATERIALS (except glass)				
691	Building materials and other products from natural stone, pumice, plaster, cement and similar materials				
6911	Fibre cement products, e.g. building blocks and constructional goods, tiles, vessels, slabs	A			
6912	Concrete and cement products, artificial stone products, e.g. building blocks, constructional goods, kerbstones, prefabricated elements, tiles, lightweight slabs, bricks, slabs, sleepers, partitions, workpieces	A			
6913	Pumice products, e.g. building blocks, constructional goods	A			
6914	Plaster products, e.g. building slabs, building blocks, constructional goods	A			
6915	Mineral and vegetable insulating materials, e.g. constructional goods made of foams, insulating boards, fittings, glass fleece roofing membrane, mats and sheets made of mineral fibres, glass silk, glass wadding, glass wool, perlite, vermiculite, solid mass insulation	A			
6916	Natural stone (ornamental or building stone), worked and articles thereof, e.g. kerbstones, mosaic tesserae, flagstones, setts, slabs, facing bricks, stones workpieces	A			
6917	Asphalt products	X	X	S	
6918	Xylolite articles, xylolite mass	B			
6919	Articles made of other mineral materials, slag wool	A			
692	Coarse ceramic and refractory building materials				
6921	Roofing tiles and building bricks made of fired clay, e.g. fired bricks, building blocks, roofing tiles, hollow bricks, klinker, facing bricks, bricks	A			
6922	Refractory constructional goods and blocks, ceramic floor and wall panels, e.g. flagstones, ceramic tiles, slabs, fireclay saggars, fireclay slabs, fireclay blocks, fireclay articles, silica blocks, stoneware articles	A			
6923	Refractory mortars and masses, e.g. ramming mass, foundry mould, casting adjuvants, mortar mixtures	A			
6924	Fragments of refractory ceramic products, fireclay fragments, crushed fireclay	A			
6929	Other architectural ceramics made of fired clay, e.g. drain pipes, cable-covering stones, flagstones, setts	A			

1	2	3	4	5	6
Commodity code	Type of goods	Discharged into the water	Turn over to collection points for		Remarks
			sewerage	special treatment	

7	DÜNGEMITTEL				
71	NATURAL FERTILISERS				
711	Natural natron-saltpetre				
7110	Sodium nitrate (natron-saltpetre)	X	A		
712	Crude phosphates				
7121	Aluminium calcium phosphate, calcium phosphate, calcium super phosphate	X	A		11)
7122	Apatite, phosphorite, crude phosphates, phosphate unspecified	X	A		11)
713	Potash crude salts and fertilisers of mineral origin, unspecified				
7131	Crude potassium salts, e.g. kainit, carnallite, kieserite, sylvinit, fertilisers of mineral origin, unspecified	X	A		11)
7132	Magnesium sulphate	A			
719	Natural non-mineral fertilisers				
7190	Fertilisers of vegetable and animal origin, e.g. guano, animal horn waste, soil compost, manure, farmyard manure	X	B		11)
72	CHEMICAL FERTILISERS				
721	Phosphate slag and Thomas slag				
7210	Converter lime, converter slag, Martin process slag, phosphate slag, Siemens-Martin slag, powder, Thomas ground basic slag, Thomas phosphate, Thomas phosphate flour, Thomas slag	X	B		11)
722	Other phosphate fertilisers				
7221	Ammoniated superphosphate, boron superphosphate, triple superphosphate, superphosphate	X	A		11)
7222	Dicalcium phosphate (phosphoric lime)	X	A		11)
7223	Diammonium phosphate (diammon phosphate)	X	A		11)
7224	Calcined phosphate, phosphate fertiliser, calcined phosphate fertiliser, phosphate fertilisers, unspecified	X	A		11)
723	Potassic fertilisers				
7231	Potassium chloride (sylvite), potassium sulphate (sulphuric potassium)	B			
7232	Potassium magnesium sulphate (sulphuric potassium magnesium), Kornkali	B			
724	Nitrogenous fertilisers				
7241	Ammonia gas	X	X	S	
7242	Ammonium bicarbonate, ammonium chloride (sal ammoniac, hydrochloric ammoniac), ammonium nitrate, ammonium nitrate-urea solution, urea, potassium saltpetre, potassium nitrate, calcium ammonium nitrate, calcium cyanamide, natron-saltpetre, nitrogen magnesium, nitrogenous fertilisers, unspecified	X	A		11)
7243	Ammonium sulphate (sulphuric ammoniac), ammonium sulphate liquor, ammonium sulphate-saltpetre	X	A		11)
729	Composite and other chemically manufactured fertilisers				
7290	Mineral complex compound fertiliser, specifically: NPK fertilisers, NP fertilisers, NK fertilisers, PK fertilisers, commercial fertilisers, composite fertilisers, unspecified	X	A		11)

Remarks: 11) As an alternative to discharge into the sewer system: spraying the wash water onto agricultural land in accordance with national regulations.

1	2	3	4	5	6
Commodity code	Type of goods	Discharged into the water	Turn over to collection points for		Remarks
			sewerage	special treatment	

8	CHEMICAL PRODUCTS				
81	CHEMICAL BASIC SUBSTANCES (except aluminium oxide and hydroxide)				
811	Sulphuric acid				
8110	Sulphuric acid (oleum), spent sulphuric acid	X	X	S	
812	Caustic soda				
8120	Caustic soda (sodium hydroxide, solid), caustic soda solution (sodium hydroxide) in solution, sodium carbonate solution, soda lye	A			
813	Sodium carbonate				
8130	Sodium carbonate (carbonic sodium), natron, soda	A			
814	Calcium carbide				
8140	Calcium carbide (beware: risk of explosion in the event of contact with water!)	X	X	S	
819	Other chemical basic substances (except aluminium oxide and hydroxide)				
8191	Acrylonitrile, alum, aluminium fluoride, ethylene oxide, liquefied, barium carbonate, barium nitrate, barium nitrite, barium sulphate, barium sulphide, benzene hydrocarbon derivatives, (e.g. ethylbenzene), litharge, lead oxide, white lead (lead carbonate), calcium hypochlorite, (chlorinated lime), caprolactam, chlorine, liquefied (chlorine lye), chlorobenzene, monochloroacetic acid, chlorohydrocarbons, unspecified, chloromethylglycol, chloroform (trichloromethane), chlorothene, chlorinated paraffin, chrome alum, chromium lye, chromium sulphate, cumene, cyanide (cyanide salts), dimethyl ether (methyl ether), dichloroethylene, EDTA (ethylenediaminetetraacetic), ETBE (ethyl tert-butyl ether, hydrofluoric acid, glycols, unspecified, hexachloroethane, hexamethyldiamine, potassium chlorate, potassium hypochlorite solution (potassium bleaching liquor), potassium silicate (water glass), calcium cyanamide, carbonic acid, concentrated, liquefied, cresol, manganese sulphate, melamine, methyl chloride, methylene chloride, monochlorobenzene, MTBE (methyl tert-butyl ether), sodium chlorate, sodium fluoride, sodium nitrite (nitrous sodium), soda lye, sodium silicate (water glass), sodium sulphide, sodium sulphite (sulphuric sodium), chloride of soda, NTA (nitrilotriacetic), perchloroethylene, phenol, phosphoric acid, phthalic acid hydride, retort carbon, soot, nitric acid, spent nitric acid, hydrochloric acid, spent hydrochloric acid, sulphur, cleaned, sulphur dioxide, sulphurous acids, carbon disulphide, styrene, surfynol (TMDD = 2,4,7,9-Tetramethyl-5-decyne-4,7-diol), tall oil, tall oil products, turpentine oil, tetrachlorobenzene, tetrachlorohydrocarbon, trichloroethylene, trichlorobenzene, triphenylphosphine, vinyl chloride, detergent raw materials, zinc oxide, zinc sulphate.	X	X	S	
8192	Acetone, adipic acid, alcohol, pure (spirits), aluminium acetate (acetate of alumina), aluminium formate (acetic alumina), aluminium sulphate (sulphuric alumina), ammonia gas (ammonia solution), ammonium chloride (sal ammoniac), ammonium saltpeter (ammonium nitrate, nitric ammonia), ammonium phosphate, ammonium phosphate solution, caustic potash (potassium hydroxide), aqueous potash lye, spirits, denatured, butanol, butyl acetate, Calcium chloride (chloro calcite), calcium formate, (formic lime), calcium nitrate (lime saltpeter), calcium phosphate, calcium sulphate (anhydrite, synthetic), citric acid, iron oxide, iron sulphate, acetic acid, acetic acid hydride, fatty alcohols, glycols (ethylene glycol, butylene glycol, propylene glycol, glycerine, glycerine lyes, glycerine water, urea, artificial (carbamide), hexamethyldiamine, wood vinegar, isopropyl allylcohol, (isopropyl), potassium carbonate (potash), potassium nitrate, potassium sulphate lye, magnesium carbonate, magnesium sulphate (Epsom salts), methanol (wood alcohol, methyl alcohol), methyl acetate, sodium acetate, (acetic sodium), sodium carbonate (bicarbonate of soda), sodium bisulphate (bisulphate of soda), sodium formate, sodium nitrate (natron-saltpetre), sodium phosphate, propyl acetate, titanium dioxide (e.g.synthetic rutile)	X	A		
8193	Graphite, graphite products, silicon, silicon carbide (carborundum)	A			
8199	Other chemical basic substances, and mixtures, unspecified	X	X	S	

1	2	3	4	5	6
Commodity code	Type of goods	Discharged into the water	Turn over to collection points for		Remarks
			sewerage	special treatment	

82	ALUMINIUM OXIDE AND HYDROXIDE				
820	Aluminium oxide and hydroxide				
8201	Aluminium oxide	A			
8202	Aluminium hydroxide (hydrate of alumina)	A			
83	BENZOLE, TARS AND THE LIKE DISTILLATION PRODUCTS				
831	Benzole				
8310	Benzol	X	X	S	
839	Pitches, tars, tar oils etc, distillation products				
8391	Nitro-benzole, benzole products, unspecified	X	X	S	
8392	Oils and other coal tar products, e.g. anthracene, anthracene mud, decalin, naphthalene, refined, tetralin, xylene, solvent naphtha, toluene, xylene (ortho-xylene, meta-xylene and paraxylene, and mixtures thereof)	X	X	S	
8393	Pitch and tar pitch from hard coal and other mineral tars, e.g. lignite tar pitch, wood tar pitch, mineral tar pitch, petroleum pitch, hard coal tar pitch, tar pitch, peat pitch, peat-tar pitch, creosote	X	X	S	
8394	Pitch coke and tar coke from hard coal and other mineral tars, e.g. lignite tar coke, hard coal pitch coke, hard coal tar coke, tar coke	X	X	S	
8395	Gas purifying material	X	X	S	
8396	Hard coal tar, lignite tar and peat tar, wood tar, wood tar oil, e.g. impregnating oil, carbolineum, creosote oil, mineral tar, naphthalene, crude	X	X	S	
8399	Other distillation products, e.g. residues of lignite and hard coal heavy tar oil	X	X	S	
84	PAPER PULP AND WASTE PAPER				
841	Wood pulp and paper pulp				
8410	Mechanical pulp (wood pulp), wood cellulose, cellulose, waste products	X	A		
842	Used paper and waste paper				
8420	Used paper, used cardboard	X	A		
89	OTHER CHEMICAL PRODUCTS (incl. starch)				
891	Plastics				
8910	Synthetic resins, synthetic resin glue, acrylonitrile/butadiene/styrene copolymers, polyester, polyvinyl acetate, polyvinyl chloride	X	X	S	
8911	Plastic waste, plastic raw materials, unspecified	X	X	S	
892	Dyeing, colouring and tanning materials				
8921	Dyeing materials, colouring materials, varnishes, e.g. iron oxide for producing paint, enamel composition, clay earth pigments, prepared, lithopone, red lead, zinc oxide	X	X	S	
8922	Mastics	X	X	S	
8923	Tanning materials, tannin extracts	X	X	S	

1	2	3	4	5	6
Commodity code	Type of goods	Discharged into the water	Turn over to collection points for		Remarks
			sewerage	special treatment	

893	Pharmaceutical products, essential oils, perfumery and cleansing preparations				
8930	Pharmacy products, (medicinal products)	X	X	S	
8931	Cosmetic products, cleansing products, soap, detergents, washing powder	X	A		
894	Ammunition and explosives				
8940	Ammunition and explosives	X	X	S	
896	Other chemical products				
8961	Waste chemical threads, fibres, yarns, plastics, including foamed, including thermoplastic, unspecified, waste mixed acids of sulphuric acid and nitric acid, electrode carbon waste, residues, carbon ramming mass	X	X	S	
8962	Waste products and residues from the chemical industry, the glass industry, containing iron oxide, spent sulphite liquor	X	X	S	
8963	Other chemical chemical basic substances, hardening agents for iron, for steel, decalcifying agents for tanning, hardening compounds for plastics, cable wax, glues, solvents, plant protection products, unspecified, radioactive materials, unspecified plasticising compounds for plastics	X	X	S	
8969	Chemicals, chemical products, unspecified	X	X	S	

1	2	3	4	5	6
Commodity code	Type of goods	Discharged into the water	Turn over to collection points for		Remarks
			sewerage	special treatment	

9	VEHICLES, MACHINERY, OTHER FINISHED AND SEMI-FINISHED PRODUCTS, MISCELLANEOUS ARTICLES FOR TRANSIT TRANSPORT				12)
91	VEHICLES				12)
92	AGRICULTURAL MACHINERY				12)
93	ELECTRICAL PRODUCTS, OTHER MACHINERY				
931	Electrical products				12)
9314	Electrical waste equipment (electronic scrap)	X	X	S	
939	Other machinery, unspecified (incl. vehicle engines)				12)
94	MANUFACTURES OF METAL				12)
95	GLASS, GLASSWARE, CERAMIC PRODUCTS AND OTHER MANUFACTURES OF MINERALS				12)
9512	Glass, ground, glass waste, broken glass, glass fragments	A			
96	LEATHER, LEATHER GOODS, TEXTILES, CLOTHING				12)
961	Leather, finished hides, leather goods				
9610	Hides, skins, leather, fur	X	A		
962	Textile yarns, fabrics and related articles				
9620	Chemical threads, yarns, threads and yarns of vegetable textile fibres, of animal hair, of wool, felt, felt products, fabrics and materials, jute sacks, covers, cordage products, carpets, wadding	X	A		
963	Clothing, shoes, travel articles				
9630	Clothing, leather goods, fur products, textiles	X	A		
97	OTHER FINISHED AND SEMI-FINISHED PRODUCTS				12)
972	Paper and cardboard				
9721	Bitumen felt, bitumen paper, bitumen cardboard, roofing felt, tar felt, tar paper, tar cardboard	X	X	S	
9722	Greyboard, wallpapers, parchment paper, corrugated cardboard, cellulose wadding (paper wadding)	X	A		
9723	Kraftliner, wrapping paper, paper in rolls, newsprint paper	X	A		
973	Paper and cardboard products				
9730	Paper products, cardboard products	X	A		
99	MISCELLANEOUS ARTICLES FOR TRANSIT TRANSPORT GROUPAGE FREIGHT AND GENERAL CARGO)				12)
9999	Goods, unspecified	X	X	S	12)

Remarks: 12) for packages, see regulations 8 (d)