

**COMMITTEE OF EXPERTS ON THE TRANSPORT OF
DANGEROUS GOODS AND ON THE GLOBALLY
HARMONIZED SYSTEM OF CLASSIFICATION
AND LABELLING OF CHEMICALS**

Sub-Committee of Experts on the
Transport of Dangerous Goods

Thirty-third session
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Item 4 of the provisional agenda

LISTING, CLASSIFICATION AND PACKING

Assignment of SP 274

(Addendum to document ST/SG/AC.10/C.3/2008/25)

Transmitted by CEFIC (European Chemical Industry Council)

Table 1: List of applicable special provisions

Entries (shaded green) refer to prohibition of carriage (see comment a)

SP	Text (RID/ADR 2007)	Applies to UN number
103	The carriage of ammonium nitrites and mixtures of an inorganic nitrite with an ammonium salt is prohibited.	2627-3219 (SP 900)
502	UN No. 2006 plastics, nitrocellulose-based, self-heating, n.o.s., and 2002 celluloid scrap are substances of Class 4.2.	1353
505	UN No. 2004 magnesium diamide is a substance of Class 4.2.	1390
506	Alkaline earth metals and alkaline earth metal alloys in pyrophoric form are substances of Class 4.2. UN No. 1869 magnesium or magnesium alloys containing more than 50% magnesium as pellets, turnings or ribbons, are substances of Class 4.1	1391-1392-1393-3402
511	UN No. 1625 mercuric nitrate, UN No. 1627 mercurous nitrate and UN No. 2727 thallium nitrate are substances of Class 6.1. Thorium nitrate, solid, uranyl nitrate hexahydrate solution and uranyl nitrate, solid are substances of Class 7	1477-3218
512	UN No. 1730 antimony pentachloride, liquid, UN No. 1731 antimony pentachloride solution, UN No. 1732 antimony pentafluoride and UN No. 1733 antimony trichloride are substances of Class 8	1549-3141
513	UN No. 0224 barium azide, dry or wetted with less than 50% water, by mass, is a substance of Class 1. UN No. 1571 barium azide, wetted with not less than 50% water, by mass, is a substance of Class 4.1. UN No. 1854 barium alloys, pyrophoric, are substances of Class 4.2. UN No. 1445 barium chlorate, solid, UN No. 1446 barium nitrate, UN No. 1447 barium perchlorate, solid, UN No. 1448 barium permanganate, UN No. 1449 barium peroxide, UN No. 2719 barium bromate, UN No. 2741 barium hypochlorite with more than 22% available chlorine, UN No. 3405 barium chlorate, solution and UN No. 3406 barium perchlorate, solution, are substances of Class 5.1. UN No. 1565 barium cyanide and UN No. 1884 barium oxide are substances of Class 6.1	1564
514	UN No. 2464 beryllium nitrate is a substance of Class 5.1.	1566
515	UN No. 1581 chloropicrin and methyl bromide mixture and UN No. 1582 chloropicrin and methyl chloride mixture are substances of Class 2.	1583
517	UN No. 1690 sodium fluoride, solid, UN No. 1812 potassium fluoride, solid, UN No. 2505 ammonium fluoride, UN No. 2674 sodium fluorosilicate, UN No. 2856 fluorosilicates, n.o.s., UN No. 3415 sodium fluoride, solution and UN No. 3422 potassium fluoride, solution, are substances of Class 6.1	1740
525	Solutions of inorganic cyanides with a total cyanide ion content of more than 30% shall be classified in packing group I, solutions with a total cyanide ion content of more than 3% and not more than 30% in packing group II and solutions with a cyanide ion content of more than 0.3% and not more than 3% in packing group III	1935
529	UN No. 0135 mercury fulminate, wetted with not less than 20% water, or mixture of alcohol and water, by mass, is a substance of Class 1. Mercurous chloride (calomel) is a substance of Class 9 (UN No. 3077).	2025
535	UN No. 1469 lead nitrate, UN No. 1470 lead perchlorate, solid and UN No. 3408 lead perchlorate, solution, are substances of Class 5.1	2291
548	Chlorosilanes which, in contact with water, emit flammable gases, are substances of Class 4.3.	2985-2986-2987
549	Chlorosilanes having a flash-point of less than 23 °C and which, in contact with water, do not emit flammable gases are substances of Class 3. Chlorosilanes having a flash-point equal to or greater than 23 °C and which, in contact with water, do not emit flammable gases are substances of Class 8	2988

SP	Text (RID/ADR 2007)	Applies to UN number
552	Metals and metal alloys in powdered or other flammable form, liable to spontaneous combustion, are substances of Class 4.2. Metals and metal alloys in powdered or other flammable form which, in contact with water, emit flammable gases are substances of Class 4.3	3089
559	Mixtures of a hypochlorite with an ammonium salt are not to be accepted for carriage. UN No. 1791 hypochlorite solution is a substance of Class 8	3212 (SP 900)
560	UN No. 3257 elevated temperature liquid, n.o.s., at or above 100 °C and, for a substance with a flash-point below its flash-point (including molten metals and molten salts) is a substance of Class 9.	3256
561	Chloroformates having predominantly corrosive properties are substances of Class 8	2742
563	UN No. 1905 selenic acid is a substance of Class 8	3283-3440
564	UN No. 2443 vanadium oxytrichloride, UN No. 2444 vanadium tetrachloride and UN No. 2475 vanadium trichloride are substances of Class 8	3285
585	Cinnabar is not subject to the requirements of ADR	2025
596	Cadmium pigments, such as cadmium sulphides, cadmium sulphoselenides and cadmium salts of higher fatty acids (e.g. cadmium stearate), are not subject to the requirements of ADR	2570
604	Ammonium bromate and its aqueous solutions and mixtures of a bromate with an ammonium salt are not to be accepted for carriage	1450-3213 (SP 900)
605	Ammonium chlorate and its aqueous solutions and mixtures of a chlorate with an ammonium salt are not to be accepted for carriage	1461-3210 (SP 900)
606	Ammonium chlorite and its aqueous solutions and mixtures of a chlorite with an ammonium salt are not to be accepted for carriage	1462 (SP 900)
608	Ammonium permanganate and its aqueous solutions and mixtures of a permanganate with an ammonium salt are not to be accepted for carriage	1482-3214 (SP 900)

Table 2: List of substances which have SP 274 in RID/ADR/ADN but not in the UN Model Regulations, the IMDG Code or the ICAO TI.

Entries (shaded orange) refer to entries for which the Joint Meeting (March 2008) decided to delete SP 274 in RID/ADR/ADN.

Short summary of comments (see above for details):

a	Link with "classification" SP	d	Comment for UN 1075	g	Metal catalysts
b	Stowage and segregation	e	Medicines	h	Inorganic peroxides
c	General need for SP 274 (class 6.1)	f	Gas samples	i	Elevated temperature substances

UN	Name and description	Class	PG	Labels	SP	Comment
1075	PETROLEUM GASES, LIQUEFIED	2		2.1	274 583 639	d
1353	FIBRES or FABRICS IMPREGNATED WITH WEAKLY NITRATED NITROCELLULOSE, N.O.S.	4.1	III	4.1	274 502	a-c
1373	FIBRES or FABRICS, ANIMAL or VEGETABLE or SYNTHETIC, N.O.S. with oil	4.2	III	4.2	274	a-c
1378	METAL CATALYST, WETTED with a visible excess of liquid	4.2	II	4.2	274	b-g
1389	ALKALI METAL AMALGAM, LIQUID	4.3	I	4.3	182 274	c
1390	ALKALI METAL AMIDES	4.3	II	4.3	182 274 505	a-c
1391	ALKALI METAL DISPERSION or ALKALINE EARTH METAL DISPERSION having a flash-point of not more than 60°C	4.3	I	4.3 +3	182 183 274 506	a-c
1391	ALKALI METAL DISPERSION or ALKALINE EARTH METAL DISPERSION having a flash-point above 60°C	4.3	I	4.3	182 183 274 282 506	a-c
1392	ALKALINE EARTH METAL AMALGAM, LIQUID	4.3	I	4.3	183 274 506	a-c
1393	ALKALINE EARTH METAL ALLOY, N.O.S.	4.3	II	4.3	183 274 506	a-c
1421	ALKALI METAL ALLOY, LIQUID, N.O.S.	4.3	I	4.3	182 274	c
1450	BROMATES, INORGANIC, N.O.S.	5.1	II	5.1	274 604	a-b
1461	CHLORATES, INORGANIC, N.O.S.	5.1	II	5.1	274 605	a-b

UN	Name and description	Class	PG	Labels	SP	Comment
1462	CHLORITES, INORGANIC, N.O.S.	5.1	II	5.1	274 509 606	a-b
1477	NITRATES, INORGANIC, N.O.S.	5.1	II	5.1	274 511	a-b
1477	NITRATES, INORGANIC, N.O.S.	5.1	III	5.1	274 511	a-b
1481	PERCHLORATES, INORGANIC, N.O.S.	5.1	II	5.1	274	b
1481	PERCHLORATES, INORGANIC, N.O.S.	5.1	III	5.1	274	b
1482	PERMANGANATES, INORGANIC, N.O.S.	5.1	II	5.1	274 608	a-b
1482	PERMANGANATES, INORGANIC, N.O.S.	5.1	III	5.1	274 608	a-b
1483	PEROXIDES, INORGANIC, N.O.S.	5.1	II	5.1	274	h
1483	PEROXIDES, INORGANIC, N.O.S.	5.1	III	5.1	274	h
1549	ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S.	6.1	III	6.1	45 274 512	a-c
1556	ARSENIC COMPOUND, LIQUID, N.O.S., inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1	I	6.1	43 274	b-c
1556	ARSENIC COMPOUND, LIQUID, N.O.S., inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1	II	6.1	43 274	b-c
1556	ARSENIC COMPOUND, LIQUID, N.O.S., inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1	III	6.1	43 274	b-c
1557	ARSENIC COMPOUND, SOLID, N.O.S., inorganic, including: Arsenates, n.o.s.; Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1	I	6.1	43 274	b-c
1557	ARSENIC COMPOUND, SOLID, N.O.S., inorganic, including: Arsenates, n.o.s.; Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1	II	6.1	43 274	b-c
1557	ARSENIC COMPOUND, SOLID, N.O.S., inorganic, including: Arsenates, n.o.s.; Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1	III	6.1	43 274	b-c
1564	BARIUM COMPOUND, N.O.S.	6.1	II	6.1	177 274 513 587	a-c
1564	BARIUM COMPOUND, N.O.S.	6.1	III	6.1	177 274 513 587	a-c
1566	BERYLLIUM COMPOUND, N.O.S.	6.1	II	6.1	274 514	a-b-c
1566	BERYLLIUM COMPOUND, N.O.S.	6.1	III	6.1	274 514	a-b-c

UN	Name and description	Class	PG	Labels	SP	Comment
1583	CHLOROPICRIN MIXTURE, N.O.S.	6.1	I	6.1	274 315 515	a-c
1583	CHLOROPICRIN MIXTURE, N.O.S.	6.1	II	6.1	274 515	a-c
1583	CHLOROPICRIN MIXTURE, N.O.S.	6.1	III	6.1	274 515	a-c
1655	NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.	6.1	I	6.1	43 274	c
1655	NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.	6.1	II	6.1	43 274	c
1655	NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.	6.1	III	6.1	43 274	c
1740	HYDROGENDIFLUORIDES, N.O.S.	8	II	8	274 517	b-c
1740	HYDROGENDIFLUORIDES, N.O.S.	8	III	8	274 517	b-c
1851	MEDICINE, LIQUID, TOXIC, N.O.S.	6.1	II	6.1	221 274 601	c-e
1851	MEDICINE, LIQUID, TOXIC, N.O.S.	6.1	III	6.1	221 274 601	c-e
1935	CYANIDE SOLUTION, N.O.S.	6.1	I	6.1	274 525	a-b-c
1935	CYANIDE SOLUTION, N.O.S.	6.1	II	6.1	274 525	a-b-c
1935	CYANIDE SOLUTION, N.O.S.	6.1	III	6.1	274 525	a-b-c
2024	MERCURY COMPOUND, LIQUID, N.O.S.	6.1	I	6.1	43 274	b-c
2024	MERCURY COMPOUND, LIQUID, N.O.S.	6.1	II	6.1	43 274	b-c
2024	MERCURY COMPOUND, LIQUID, N.O.S.	6.1	III	6.1	43 274	b-c
2025	MERCURY COMPOUND, SOLID, N.O.S.	6.1	I	6.1	43 274 529 585	a-b-c
2025	MERCURY COMPOUND, SOLID, N.O.S.	6.1	II	6.1	43 274 529 585	a-b-c
2025	MERCURY COMPOUND, SOLID, N.O.S.	6.1	III	6.1	43 274 529 585	a-b-c

UN	Name and description	Class	PG	Labels	SP	Comment
2026	PHENYLMERCURIC COMPOUND, N.O.S.	6.1	I	6.1	43 274	a-b-c
2026	PHENYLMERCURIC COMPOUND, N.O.S.	6.1	II	6.1	43 274	b
2026	PHENYLMERCURIC COMPOUND, N.O.S.	6.1	III	6.1	43 274	b
2291	LEAD COMPOUND, SOLUBLE, N.O.S.	6.1	III	6.1	199 274 535	a-b-c
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C ₂ -C ₁₂ homologues)	8	I	8	274	c
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C ₂ -C ₁₂ homologues)	8	II	8	274	c
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C ₂ -C ₁₂ homologues)	8	III	8	274	c
2570	CADMIUM COMPOUND	6.1	I	6.1	274 596	a-b-c
2570	CADMIUM COMPOUND	6.1	II	6.1	274 596	a-b-c
2570	CADMIUM COMPOUND	6.1	III	6.1	274 596	a-b-c
2583	ALKYLSULPHONIC ACIDS, SOLID or ARYLSULPHONIC ACIDS, SOLID with more than 5% free sulphuric acid	8	II	8	274	c
2584	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID with more than 5% free sulphuric acid	8	II	8	274	b
2585	ALKYLSULPHONIC ACIDS, SOLID or ARYLSULPHONIC ACIDS, SOLID with not more than 5% free sulphuric acid	8	III	8	274	c
2586	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid	8	III	8	274	b
2627	NITRITES, INORGANIC, N.O.S.	5.1	II	5.1	103 274	b
2630	SELENATES or SELENITES	6.1	I	6.1	274	b-c
2742	CHLOROFORMATES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	6.1	II	6.1 +3 +8	274 561	a-c
2837	BISULPHATES, AQUEOUS SOLUTION	8	II	8	274	b
2837	BISULPHATES, AQUEOUS SOLUTION	8	III	8	274	b
2856	FLUROSILICATES, N.O.S.	6.1	III	6.1	274	b
2881	METAL CATALYST, DRY	4.2	I	4.2	274	b-c-g
2881	METAL CATALYST, DRY	4.2	II	4.2	274	b-c-g
2881	METAL CATALYST, DRY	4.2	III	4.2	274	b-c-g
2985	CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S.	3	II	3 +8	274 548	a-c

UN	Name and description	Class	PG	Labels	SP	Comment
2986	CHLOROSILANES, CORROSIVE, FLAMMABLE, N.O.S.	8	II	8 +3	274 548	a-c
2987	CHLOROSILANES, CORROSIVE, N.O.S.	8	II	8	274 548	a-c
2988	CHLOROSILANES, WATER-REACTIVE, FLAMMABLE, CORROSIVE, N.O.S.	4.3	I	4.3 +3 +8	274 549	a-c
3089	METAL POWDER, FLAMMABLE, N.O.S.	4.1	II	4.1	274 552	a-b-c
3089	METAL POWDER, FLAMMABLE, N.O.S.	4.1	III	4.1	274 552	a-b-c
3141	ANTIMONY COMPOUND, INORGANIC, LIQUID, N.O.S.	6.1	III	6.1	45 274 512	a-b-c
3144	NICOTINE COMPOUND, LIQUID, N.O.S. or NICOTINE PREPARATION, LIQUID, N.O.S.	6.1	I	6.1	43 274	c
3144	NICOTINE COMPOUND, LIQUID, N.O.S. or NICOTINE PREPARATION, LIQUID, N.O.S.	6.1	II	6.1	43 274	c
3144	NICOTINE COMPOUND, LIQUID, N.O.S. or NICOTINE PREPARATION, LIQUID, N.O.S.	6.1	III	6.1	43 274	c
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C ₂ -C ₁₂ homologues)	8	I	8	274	b
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C ₂ -C ₁₂ homologues)	8	II	8	274	b
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C ₂ -C ₁₂ homologues)	8	III	8	274	b
3167	GAS SAMPLE, NON-PRESSURIZED, FLAMMABLE, N.O.S., not refrigerated liquid	2		2.1	274	f
3168	GAS SAMPLE, NON-PRESSURIZED, TOXIC, FLAMMABLE, N.O.S., not refrigerated liquid	2		2.3 +2.1	274	f
3169	GAS SAMPLE, NON-PRESSURIZED, TOXIC, N.O.S., not refrigerated liquid	2		2.3	274	f
3210	CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II	5.1	274 605	a-b
3210	CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	III	5.1	274 605	a-b
3211	PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II	5.1	274	b
3211	PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	III	5.1	274	b
3212	HYPOCHLORITES, INORGANIC, N.O.S.	5.1	II	5.1	274 559	a-b
3213	BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II	5.1	274 604	a-b
3213	BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	III	5.1	274 604	a-b

UN	Name and description	Class	PG	Labels	SP	Comment
3214	PERMANGANATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II	5.1	274 608	a-b
3215	PERSULPHATES, INORGANIC, N.O.S.	5.1	III	5.1	274	b
3216	PERSULPHATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	III	5.1	274	b
3218	NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II	5.1	270 274 511	a-b
3218	NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	III	5.1	270 274 511	a-b
3219	NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II	5.1	103 274	a-b
3219	NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	III	5.1	103 274	a-b
3248	MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	II	3 +6.1	220 221 274 601	c-e
3248	MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	III	3 +6.1	220 221 274 601	c-e
3249	MEDICINE, SOLID, TOXIC, N.O.S.	6.1	II	6.1	221 274 601	c-e
3249	MEDICINE, SOLID, TOXIC, N.O.S.	6.1	III	6.1	221 274 601	c-e
3256	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flash-point above 60 °C, at or above its flash-point	3	III	3	274 560	a-i
3257	ELEVATED TEMPERATURE LIQUID, N.O.S., at or above 100 °C and below its flash-point (including molten metals, molten salts, etc.)	9	III	9	274 580 643	i
3258	ELEVATED TEMPERATURE SOLID, N.O.S., at or above 240 °C	9	III	9	274 580 643	i
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1	I	6.1	274 563	a-b
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1	II	6.1	274 563	a-b-c
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1	III	6.1	274 563	a-b-c
3284	TELLURIUM COMPOUND, N.O.S.	6.1	I	6.1	274	b-c
3284	TELLURIUM COMPOUND, N.O.S.	6.1	II	6.1	274	b-c
3284	TELLURIUM COMPOUND, N.O.S.	6.1	III	6.1	274	b-c

UN	Name and description	Class	PG	Labels	SP	Comment
3285	VANADIUM COMPOUND, N.O.S.	6.1	I	6.1	274 564	a-b-c
3285	VANADIUM COMPOUND, N.O.S.	6.1	II	6.1	274 564	a-b-c
3285	VANADIUM COMPOUND, N.O.S.	6.1	III	6.1	274 564	a-b-c
3361	CHLOROSILANES, TOXIC, CORROSIVE, N.O.S.	6.1	II	6.1 +8	274	b-c
3362	CHLOROSILANES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	6.1	II	6.1 +3 +8	274	b-c
3401	ALKALI METAL AMALGAM, SOLID	4.3	I	4.3	182 274	c
3402	ALKALINE EARTH METAL AMALGAM, SOLID	4.3	I	4.3	183 274 506	a-c
3440	SELENIUM COMPOUND, LIQUID, N.O.S.	6.1	I	6.1	274 563	a-b-c
3440	SELENIUM COMPOUND, LIQUID, N.O.S.	6.1	II	6.1	274 563	a-b-c
3440	SELENIUM COMPOUND, LIQUID, N.O.S.	6.1	III	6.1	274 563	a-b-c