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| **UN/SCETDG/61/INF.13** |
| **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 3 November 2022**  **Sixty-first session**  Geneva, 28 November-6 December 2022  Item 3 of the provisional agenda  **Listing, classification and packing** |

Addition of special packing provisions of P200 to the dangerous goods list

Transmitted by the expert from the Republic of Korea

Introduction

1. 3.2.1 of the Model Regulations describes structure of the dangerous goods list, and stipulates column 9 as follows:

“Column 9 “Special packing provisions” – this column contains alphanumeric codes which refer to the relevant special packing provisions specified in section 4.1.4. The special packing provisions indicate the special provisions for packaging (including IBCs and large packagings).”

2. According to 3.2.1 of the Model Regulations, column 9 of dangerous goods list as described contains alphanumeric codes which refer to the relevant special packing provisions specified in section 4.1.4 as by the example below:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| UN No. | Name and description | Class or division | Subsi-diary hazard | UN packing group | Special provi-sions | Limited and excepted quantities | | Packagings and IBCs | |
| Packing instruction | Special packing provisions |
| (1) | (2) | (3) | (4) | (5) | (6) | (7a) | (7b) | (8) | (9) |
| 1866 | RESIN SOLUTION, flammable | 3 |  | III | 223 | 5L | E1 | P001  IBC03  LP01 | PP1 |

3. On the other hand, special packing instruction of P200 are not indicated in column 9 of the dangerous goods list. Therefore, it is difficult to intuitively recognize whether dangerous goods transported according to P200 are subjected to special packing provisions.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| UN No. | Name and description | Class or division | Subsi-diary hazard | UN packing group | Special provi-sions | Limited and excepted quantities | | Packagings and IBCs | |
| Packing instruction | Special packing provisions |
| (1) | (2) | (3) | (4) | (5) | (6) | (7a) | (7b) | (8) | (9) |
| 1016 | CARBON MONOXIDE, COMPRESSED | 2.3 | 2.1 |  |  | 0 | E0 | P200 |  |

4. In the case of packing instructions other than P200, special packing provisions are specified in column 9 of 3.2 dangerous goods list, and in tables of packing instructions 4.1.4. However, in the case of P200, it is only available to check special provisions in the packing instruction table. Therefore, it may be misunderstood that there is no special packing provision when only looking at the dangerous goods list.

5. Accordingly, the expert from the Republic of Korea proposes to add special packing provisions of P200 to column 9 of 3.2 dangerous goods list as follows to clarify the understanding of users on how to use the Model Regulations and to ensure uniformity of notation.

Proposal

6. Amend the contents of column 9 in 3.2.1 as follows (new text is underlined):

“Column 9 “Special packing provisions” – this column contains alphabetic or alphanumeric codes which refer to the relevant special packing provisions specified in section 4.1.4. The special packing provisions indicate the special provisions for packaging (including IBCs and large packagings).”

7. Add special packing provisions of P200 to the dangerous goods list as follows (new text is underlined):

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| UN No. | Name and description | Class or division | Subsi-diary hazard | UN packing group | Special provi-sions | Limited and excepted quantities | | Packagings and IBCs | |
| Packing instruction | Special packing provisions |
| (1) | (2) | (3) | (4) | (5) | (6) | (7a) | (7b) | (8) | (9) |
| 1001 | ACETYLENE, DISSOLVED | 2.1 |  |  |  | 0 | E0 | P200 | c, p |
| 1005 | AMMONIA, ANHYDROUS | 2.3 | 8 |  | 23 379 | 0 | E0 | P200 | b |
| 1008 | BORON TRIFLUORIDE | 2.3 | 8 |  | 373 | 0 | E0 | P200 | a |
| 1010 | BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, containing more than 40 % butadienes | 2.1 |  |  | 386 | 0 | E0 | P200 | See P200 |
| 1011 | BUTANE | 2.1 |  |  | 392 | 0 | E0 | P200 | v |
| 1012 | BUTYLENE | 2.1 |  |  | 398 | 0 | E0 | P200 | See P200 |
| 1016 | CARBON MONOXIDE, COMPRESSED | 2.3 | 2.1 |  |  | 0 | E0 | P200 | u |
| 1017 | CHLORINE | 2.3 | 5.1 8 |  |  | 0 | E0 | P200 | a |
| 1026 | CYANOGEN | 2.3 | 2.1 |  |  | 0 | E0 | P200 | u |
| 1032 | DIMETHYLAMINE, ANHYDROUS | 2.1 |  |  |  | 0 | E0 | P200 | b |
| 1036 | ETHYLAMINE | 2.1 |  |  |  | 0 | E0 | P200 | b |
| 1037 | ETHYL CHLORIDE | 2.1 |  |  |  | 0 | E0 | P200 | a, ra |
| 1040 | ETHYLENE OXIDE, or ETHYLENE OXIDE WITH NITROGEN up to a total pressure of 1 MPa (10 bar) at 50 °C | 2.3 | 2.1 |  | 342 | 0 | E0 | P200 | l |
| 1043 | FERTILIZER AMMONIATING SOLUTION with free ammonia | 2.2 |  |  |  | 120 ml | E0 | P200 | b, z |
| 1045 | FLUORINE, COMPRESSED | 2.3 | 5.1 8 |  |  | 0 | E0 | P200 | a, k, n, o |
| 1048 | HYDROGEN BROMIDE, ANHYDROUS | 2.3 | 8 |  |  | 0 | E0 | P200 | a, d |
| 1049 | HYDROGEN, COMPRESSED | 2.1 |  |  | 392 | 0 | E0 | P200 | d |
| 1050 | HYDROGEN CHLORIDE, ANHYDROUS | 2.3 | 8 |  |  | 0 | E0 | P200 | a, d |
| 1051 | HYDROGEN CYANIDE, STABILIZED containing less than 3 % water | 6.1 | 3 | I | 386 | 0 | E0 | P200 | k |
| 1052 | HYDROGEN FLUORIDE, ANHYDROUS | 8 | 6.1 | I |  | 0 | E0 | P200 | a, t |
| 1053 | HYDROGEN SULPHIDE | 2.3 | 2.1 |  |  | 0 | E0 | P200 | d, u |
| 1058 | LIQUEFIED GASES, non-flammable, charged with nitrogen, carbon dioxide or air | 2.2 |  |  | 392 | 120 ml | E1 | P200 | z |
| 1060 | METHYLACETYLENE AND PROPADIENE MIXTURE, STABILIZED | 2.1 |  |  | 386 | 0 | E0 | P200 | See P200 |
| 1061 | METHYLAMINE, ANHYDROUS | 2.1 |  |  |  | 0 | E0 | P200 | b |
| 1062 | METHYL BROMIDE with not more than 2 % chloropicrin | 2.3 |  |  | 23 | 0 | E0 | P200 | a |
| 1063 | METHYL CHLORIDE (REFRIGERANT GAS R 40) | 2.1 |  |  |  | 0 | E0 | P200 | a |
| 1064 | METHYL MERCAPTAN | 2.3 | 2.1 |  |  | 0 | E0 | P200 | d, u |
| 1067 | DINITROGEN TETROXIDE (NITROGEN DIOXIDE) | 2.3 | 5.1 8 |  |  | 0 | E0 | P200 | k |
| 1069 | NITROSYL CHLORIDE | 2.3 | 8 |  |  | 0 | E0 | P200 | k |
| 1072 | OXYGEN, COMPRESSED | 2.2 | 5.1 |  | 355 | 0 | E0 | P200 | s |
| 1075 | PETROLEUM GASES, LIQUEFIED | 2.1 |  |  | 392 | 0 | E0 | P200 | v, z |
| 1076 | PHOSGENE | 2.3 | 8 |  |  | 0 | E0 | P200 | a, k |
| 1078 | REFRIGERANT GAS, N.O.S. | 2.2 |  |  | 274 | 120 ml | E1 | P200 | z |
| 1081 | TETRAFLUOROETHYLENE, STABILIZED | 2.1 |  |  | 386 | 0 | E0 | P200 | m, o |
| 1082 | TRIFLUOROCHLORO- ETHYLENE, STABILIZED (REFRIGERANT GAS R 1113) | 2.3 | 2.1 |  | 386 | 0 | E0 | P200 | u |
| 1083 | TRIMETHYLAMINE, ANHYDROUS | 2.1 |  |  |  | 0 | E0 | P200 | b |
| 1085 | VINYL BROMIDE, STABILIZED | 2.1 |  |  | 386 | 0 | E0 | P200 | a |
| 1086 | VINYL CHLORIDE, STABILIZED | 2.1 |  |  | 386 | 0 | E0 | P200 | a |
| 1581 | CHLOROPICRIN AND METHYL BROMIDE MIXTURE with more than 2 % chloropicrin | 2.3 |  |  |  | 0 | E0 | P200 | a |
| 1582 | CHLOROPICRIN AND METHYL CHLORIDE MIXTURE | 2.3 |  |  |  | 0 | E0 | P200 | a |
| 1589 | CYANOGEN CHLORIDE, STABILIZED | 2.3 | 8 |  | 386 | 0 | E0 | P200 | k |
| 1612 | HEXAETHYL TETRAPHOSPHATE AND COMPRESSED GAS MIXTURE | 2.3 |  |  |  | 0 | E0 | P200 | z |
| 1660 | NITRIC OXIDE, COMPRESSED | 2.3 | 5.1 8 |  |  | 0 | E0 | P200 | k, o |
| 1741 | BORON TRICHLORIDE | 2.3 | 8 |  |  | 0 | E0 | P200 | a |
| 1745 | BROMINE PENTAFLUORIDE | 5.1 | 6.1 8 | I |  | 0 | E0 | P200 | k |
| 1746 | BROMINE TRIFLUORIDE | 5.1 | 6.1 8 | I |  | 0 | E0 | P200 | k |
| 1749 | CHLORINE TRIFLUORIDE | 2.3 | 5.1 8 |  |  | 0 | E0 | P200 | a |
| 1859 | SILICON TETRAFLUORIDE | 2.3 | 8 |  |  | 0 | E0 | P200 | a |
| 1860 | VINYL FLUORIDE, STABILIZED | 2.1 |  |  | 386 | 0 | E0 | P200 | a |
| 1911 | DIBORANE | 2.3 | 2.1 |  |  | 0 | E0 | P200 | d, k, o |
| 1912 | METHYL CHLORIDE AND METHYLENE CHLORIDE MIXTURE | 2.1 |  |  | 228 | 0 | E0 | P200 | a |
| 1953 | COMPRESSED GAS, TOXIC, FLAMMABLE, N.O.S. | 2.3 | 2.1 |  | 274 | 0 | E0 | P200 | z |
| 1954 | COMPRESSED GAS, FLAMMABLE, N.O.S. | 2.1 |  |  | 274 392 | 0 | E0 | P200 | z |
| 1955 | COMPRESSED GAS, TOXIC, N.O.S. | 2.3 |  |  | 274 | 0 | E0 | P200 | z |
| 1956 | COMPRESSED GAS, N.O.S. | 2.2 |  |  | 274 378 392 | 120 ml | E1 | P200 | z |
| 1957 | DEUTERIUM, COMPRESSED | 2.1 |  |  |  | 0 | E0 | P200 | d |
| 1964 | HYDROCARBON GAS MIXTURE, COMPRESSED, N.O.S. | 2.1 |  |  | 274 | 0 | E0 | P200 | z |
| 1965 | HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. | 2.1 |  |  | 274 392 | 0 | E0 | P200 | v, z |
| 1967 | INSECTICIDE GAS, TOXIC, N.O.S. | 2.3 |  |  | 274 | 0 | E0 | P200 | z |
| 1968 | INSECTICIDE GAS, N.O.S. | 2.2 |  |  | 274 | 120 ml | E1 | P200 | z |
| 1969 | ISOBUTANE | 2.1 |  |  | 392 | 0 | E0 | P200 | v |
| 1975 | NITRIC OXIDE AND DINITROGEN TETROXIDE MIXTURE (NITRIC OXIDE AND NITROGEN DIOXIDE MIXTURE) | 2.3 | 5.1 8 |  |  | 0 | E0 | P200 | k, z |
| 1978 | PROPANE | 2.1 |  |  | 392 | 0 | E0 | P200 | v |
| 2034 | HYDROGEN AND METHANE MIXTURE, COMPRESSED | 2.1 |  |  |  | 0 | E0 | P200 | d |
| 2073 | AMMONIA SOLUTION, relative density less than 0.880 at 15 °C in water, with more than 35 % but not more than 50 % ammonia | 2.2 |  |  |  | 120 ml | E0 | P200 | See P200 |
| 2188 | ARSINE | 2.3 | 2.1 |  |  | 0 | E0 | P200 | d, k |
| 2189 | DICHLOROSILANE | 2.3 | 2.1 8 |  |  | 0 | E0 | P200 | a |
| 2190 | OXYGEN DIFLUORIDE, COMPRESSED | 2.3 | 5.1 8 |  |  | 0 | E0 | P200 | a, k, n, o |
| 2191 | SULPHURYL FLUORIDE | 2.3 |  |  |  | 0 | E0 | P200 | u |
| 2192 | GERMANE | 2.3 | 2.1 |  |  | 0 | E0 | P200 | d, q, r |
| 2194 | SELENIUM HEXAFLUORIDE | 2.3 | 8 |  |  | 0 | E0 | P200 | k |
| 2195 | TELLURIUM HEXAFLUORIDE | 2.3 | 8 |  |  | 0 | E0 | P200 | k |
| 2196 | TUNGSTEN HEXAFLUORIDE | 2.3 | 8 |  |  | 0 | E0 | P200 | a |
| 2197 | HYDROGEN IODIDE, ANHYDROUS | 2.3 | 8 |  |  | 0 | E0 | P200 | a, d |
| 2199 | PHOSPHINE | 2.3 | 2.1 |  |  | 0 | E0 | P200 | d, k, q |
| 2202 | HYDROGEN SELENIDE, ANHYDROUS | 2.3 | 2.1 |  |  | 0 | E0 | P200 | k |
| 2203 | SILANE | 2.1 |  |  |  | 0 | E0 | P200 | q |
| 2204 | CARBONYL SULPHIDE | 2.3 | 2.1 |  |  | 0 | E0 | P200 | u |
| 2418 | SULPHUR TETRAFLUORIDE | 2.3 | 8 |  |  | 0 | E0 | P200 | a, k |
| 2421 | NITROGEN TRIOXIDE | 2.3 | 5.1 8 |  |  | 0 | E0 | P200 | k |
| 2452 | ETHYLACETYLENE, STABILIZED | 2.1 |  |  | 386 | 0 | E0 | P200 | c |
| 2495 | IODINE PENTAFLUORIDE | 5.1 | 6.1 8 | I |  | 0 | E0 | P200 | k |
| 2534 | METHYLCHLOROSILANE | 2.3 | 2.1 8 |  |  | 0 | E0 | P200 | z |
| 2548 | CHLORINE PENTAFLUORIDE | 2.3 | 5.1 8 |  |  | 0 | E0 | P200 | a, k |
| 2676 | STIBINE | 2.3 | 2.1 |  |  | 0 | E0 | P200 | k, r |
| 2901 | BROMINE CHLORIDE | 2.3 | 5.1 8 |  |  | 0 | E0 | P200 | a |
| 3057 | TRIFLUOROACETYL CHLORIDE | 2.3 | 8 |  |  | 0 | E0 | P200 | k |
| 3083 | PERCHLORYL FLUORIDE | 2.3 | 5.1 |  |  | 0 | E0 | P200 | u |
| 3156 | COMPRESSED GAS, OXIDIZING, N.O.S. | 2.2 | 5.1 |  | 274 | 0 | E0 | P200 | z |
| 3157 | LIQUEFIED GAS, OXIDIZING, N.O.S. | 2.2 | 5.1 |  | 274 | 0 | E0 | P200 | z |
| 3160 | LIQUEFIED GAS, TOXIC, FLAMMABLE, N.O.S. | 2.3 | 2.1 |  | 274 | 0 | E0 | P200 | z |
| 3161 | LIQUEFIED GAS, FLAMMABLE, N.O.S. | 2.1 |  |  | 274 | 0 | E0 | P200 | z |
| 3162 | LIQUEFIED GAS, TOXIC, N.O.S. | 2.3 |  |  | 274 | 0 | E0 | P200 | z |
| 3163 | LIQUEFIED GAS, N.O.S. | 2.2 |  |  | 274 392 | 120 ml | E1 | P200 | z |
| 3303 | COMPRESSED GAS, TOXIC, OXIDIZING, N.O.S. | 2.3 | 5.1 |  | 274 | 0 | E0 | P200 | z |
| 3304 | COMPRESSED GAS, TOXIC, CORROSIVE, N.O.S. | 2.3 | 8 |  | 274 | 0 | E0 | P200 | z |
| 3305 | COMPRESSED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S. | 2.3 | 2.1 8 |  | 274 | 0 | E0 | P200 | z |
| 3306 | COMPRESSED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S. | 2.3 | 5.1 8 |  | 274 | 0 | E0 | P200 | z |
| 3307 | LIQUEFIED GAS, TOXIC, OXIDIZING, N.O.S. | 2.3 | 5.1 |  | 274 | 0 | E0 | P200 | z |
| 3308 | LIQUEFIED GAS, TOXIC, CORROSIVE, N.O.S. | 2.3 | 8 |  | 274 | 0 | E0 | P200 | z |
| 3309 | LIQUEFIED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S. | 2.3 | 2.1 8 |  | 274 | 0 | E0 | P200 | z |
| 3310 | LIQUEFIED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S. | 2.3 | 5.18 |  | 274 | 0 | E0 | P200 | z |
| 3318 | AMMONIA SOLUTION, relative density less than 0.880 at 15 °C in water, with more than 50 % ammonia | 2.3 | 8 |  | 23 | 0 | E0 | P200 | b |
| 3354 | INSECTICIDE GAS, FLAMMABLE, N.O.S. | 2.1 |  |  | 274 | 0 | E0 | P200 | z |
| 3355 | INSECTICIDE GAS, TOXIC, FLAMMABLE, N.O.S. | 2.3 | 2.1 |  | 274 | 0 | E0 | P200 | z |
| 3374 | ACETYLENE, SOLVENT FREE | 2.1 |  |  |  | 0 | E0 | P200 | c, p |
| 3553 | DISILANE | 2.1 |  |  |  | 0 | E0 | P200 | q |