**Economic Commission for Europe**

Inland Transport Committee

**Working Party on the Transport of Dangerous Goods 12 September 2023**

**Joint Meeting of the RID Committee of Experts and the
Working Party on the Transport of Dangerous Goods**

Geneva, 19–27 September 2023
Item 2 of the provisional agenda:
**Tanks**

 Elimination of dual approval of tanks under Chapters 6.7 and 6.8 of RID/ADR

 Transmitted by the Government of France

1. In accordance with document ECE/TRANS/WP.15/AC.1/2023/46, this informal document presents in paragraph 4 a list of the substances for which the assigned tank code in Column (12) of Table A of Chapter 3.2 includes the letter B while the assigned portable tank instruction in Column (10) does not authorize bottom opening which seems to be the main issue for the operators.

2. For these UN numbers a portable tank instruction usable for rail or road transport only could be added in Column (10) at the bottom of the cell, between brackets. Paragraph 5 shows in the third column what this portable tank instruction could be for some of these substances. This list is not exhaustive and when the pressure and thickness conditions are more severe in RID/ADR it is not proposed to allow another portable tank instruction for land transport.

3. According to the opinion of the working group on tanks, a complete proposal will be prepared for the March 2024 session of the Joint Meeting.

4. List of the substances referred to in paragraph 1 above:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1162 | DIMÉTHYLDICHLOROSILANE | 3 | FC | II | T10 | TP2TP7 | L4BH |  |
| 1196 | ÉTHYLTRICHLOROSILANE | 3 | FC | II | T10 | TP2TP7 | L4BH |   |
| 1250 | MÉTHYLTRICHLOROSILANE | 3 | FC | II | T10 | TP2TP7 | L4BH |   |
| 1298 | TRIMÉTHYLCHLOROSILANE | 3 | FC | II | T10 | TP2TP7 | L4BH |   |
| 1305 | VINYLTRICHLOROSILANE  | 3 | FC | II | T10 | TP2TP7 | L4BH |   |
| 1402 | CARBURE DE CALCIUM | 4.3 | W2 | I | T9 | TP7TP33 | S2.65AN(+) | TU4TU22TM2TA5 |
| 1415 | LITHIUM | 4.3 | W2 | I | T9 | TP7 TP33 | L10BN(+) | TU1 TE5 TT3 TM2 |
| 1422 | ALLIAGES DE POTASSIUM ET SODIUM, LIQUIDES | 4.3 | W1 | I | T9 | TP3 TP7 TP31 | L10BN(+) | TU1 TE5 TT3 TM2 |
| 1428 | SODIUM | 4.3 | W2 | I | T9 | TP7TP33 | L10BN(+) | TU1 TE5 TT3 TM2 |
| 1569 | BROMOACETONE | 6.1 | TF1 | II | T20 | TP2 | L4BH | TU15 TE19 |
| 1716 | BROMURE D'ACÉTYLE | 8 | C3 | II | T8 | TP2 | L4BN |   |
| 1717 | CHLORURE D'ACÉTYLE | 3 | FC | II | T8 | TP2 | L4BH |   |
| 1724 | ALLYLTRICHLOROSILANE STABILISÉ | 8 | CF1 | II | T10 | TP2TP7 | L4BN |   |
| 1728 | AMYLTRICHLOROSILANE | 8 | C3 | II | T10 | TP2TP7 | L4BN |   |
| 1736 | CHLORURE DE BENZOYLE | 8 | C3 | II | T8 | TP2 | L4BN |   |
| 1737 | BROMURE DE BENZYLE | 6.1 | TC1 | II | T8 | TP2 | L4BH | TU15 TE19 |
| 1738 | CHLORURE DE BENZYLE | 6.1 | TC1 | II | T8 | TP2 | L4BH | TU15 TE19 |
| 1739 | CHLOROFORMIATE DE BENZYLE | 8 | C9 | I | T10 | TP2 | L10BH |   |
| 1742 | COMPLEXE DE TRIFLUORURE DE BORE ET D'ACIDE ACÉTIQUE, LIQUIDE | 8 | C3 | II | T8 | TP2 | L4BN |   |
| 1743 | COMPLEXE DE TRIFLUORURE DE BORE ET D'ACIDE PROPIONIQUE, LIQUIDE | 8 | C3 | II | T8 | TP2 | L4BN |   |
| 1747 | BUTYLTRICHLOROSILANE | 8 | CF1 | II | T10 | TP2TP7 | L4BN |   |
| 1753 | CHLOROPHÉNYL-TRICHLOROSILANE | 8 | C3 | II | T10 | TP2TP7 | L4BN |   |
| 1754 | ACIDE CHLOROSULFONIQUE contenant ou non du trioxide de soufre | 8 | C1 | I | T20 | TP2 | L10BH |  |
| 1755 | ACIDE CHROMIQUE EN SOLUTION | 8 | C1 | II | T8 | TP2 | L4BN | TU42 |
| 1758 | CHLORURE DE CHROMYLE | 8 | C1 | I | T10 | TP2 | L10BH |   |
| 1760 | LIQUIDE CORROSIF, N.S.A. | 8 | C9 | I | T14 | TP2TP27 | L10BH |   |
| 1762 | CYCLOHÉXÉNYLTRI-CHLOROSILANE | 8 | C3 | II | T10 | TP2TP7 | L4BN |   |
| 1763 | CYCLOHEXYLTRI-CHLOROSILANE | 8 | C3 | II | T10 | TP2TP7 | L4BN |   |
| 1764 | ACIDE DICHLORACÉTIQUE | 8 | C3 | II | T8 | TP2 | L4BN |   |
| 1766 | DICHLOROPHÉNYL-TRICHLOROSILANE | 8 | C3 | II | T10 | TP2TP7 | L4BN |   |
| 1767 | DIÉTHYLDICHLOROSILANE | 8 | CF1 | II | T10 | TP2TP7 | L4BN |   |
| 1768 | ACIDE DIFLUORO-PHOSPHORIQUE ANHYDRE | 8 | C1 | II | T8 | TP2 | L4BN |   |
| 1769 | DIPHÉNYLDICHLOROSILANE | 8 | C3 | II | T10 | TP2TP7 | L4BN |   |
| 1771 | DODECYLTRICHLOROSILANE | 8 | C3 | II | T10 | TP2TP7 | L4BN |   |
| 1776 | ACIDE FLUORO-PHOSPHORIQUE ANHYDRE | 8 | C1 | II | T8 | TP2 | L4BN |   |
| 1777 | ACIDE FLUOROSULFONIQUE | 8 | C1 | I | T10 | TP2 | L10BH |   |
| 1778 | ACIDE FLUOROSILICIQUE | 8 | C1 | II | T8 | TP2 | L4BN | TU42 |
| 1781 | HEXADÉCYLTRI-CHLOROSILANE | 8 | C3 | II | T10 | TP2TP7 | L4BN |   |
| 1782 | ACIDE HEXAFLUORO-PHOSPHORIQUE | 8 | C1 | II | T8 | TP2 | L4BN |   |
| 1784 | HEXYLTRICHLOROSILANE | 8 | C3 | II | T10 | TP2TP7 | L4BN |   |
| 1789 | ACIDE CHLORHYDRIQUE | 8 | C1 | II | T8 | TP2 | L4BN | TU42 |
| 1796 | ACIDE SULFONITRIQUE contenant plus de 50 % d'acide nitrique | 8 | CO1 | I | T10 | TP2 | L10BH | TC6 TT1 |
| 1796 | ACIDE SULFONITRIQUE contenant au plus 50 % d'acide nitrique | 8 | C1 | II | T8 | TP2 | L4BN |   |
| 1799 | NONYLTRICHLOROSILANE | 8 | C3 | II | T10 | TP2TP7 | L4BN |   |
| 1800 | OCTADECYLTRI-CHLOROSILANE | 8 | C3 | II | T10 | TP2TP7 | L4BN |   |
| 1801 | OCTYLTRICHLOROSILANE | 8 | C3 | II | T10 | TP2TP7 | L4BN |   |
| 1804 | PHÉNYLTRICHLOROSILANE | 8 | C3 | II | T10 | TP2TP7 | L4BN |   |
| 1816 | PROPYLTRICHLOROSILANE | 8 | CF1 | II | T10 | TP2TP7 | L4BN |   |
| 1817 | CHLORURE DE PYROSULFURYLE | 8 | C1 | II | T8 | TP2 | L4BN |   |
| 1818 | TÉTRACHLORURE DE SILICIUM | 8 | C1 | II | T10 | TP2TP7 | L4BN |   |
| 1826 | ACIDE SULFONITRIQUE RÉSIDUAIRE contenant plus de 50 % d'acide nitrique | 8 | CO1 | I | T10 | TP2 | L10BH |   |
| 1826 | ACIDE SULFONITRIQUE RÉSIDUAIRE contenant au plus 50 % d'acide nitrique | 8 | C1 | II | T8 | TP2 | L4BN |   |
| 1828 | CHLORURES DE SOUFR | 8 | C1 | I | T20 | TP2 | L10BH |  |
| 1829 | TRIOXYDE DE SOUFRE STABILISE | 8 | C1 | I | T20 | TP4 TP25 TP26 | L10BH | TU32 TE13 TT5 TM3 |
| 1830 | ACIDE SULFURIQUE contenant plus de 51 % d'acide | 8 | C1 | II | T8 | TP2 | L4BN | TU42 |
| 1831 | ACIDE SULFURIQUE FUMANT | 8 | CT1 | I | T20 | TP2 | L10BH |  |
| 1832 | ACIDE SULFURIQUE RÉSIDUAIRE | 8 | C1 | II | T8 | TP2 | L4BN | TU42 |
| 1836 | CHLORURE DE THIONYLE | 8 | C1 | I | T10 | TP2 | L10BH |   |
| 1906 | ACIDE RÉSIDUAIRE DE RAFFINAGE | 8 | C1 | II | T8 | TP2TP28 | L4BN | TU42 |
| 2015 | PEROXYDE D'HYDROGÈNE EN SOLUTION AQUEUSE STABILISÉE contenant plus de 60 % de peroxyde d'hydrogène mais au maximum 70 % de peroxyde d'hydrogène | 5.1 | OC1 | I | T9 | TP2TP6TP24 | L4BV(+) | TU3 TU28 TC2 TE7 TE8 TE9 TT1 |
| 2030 | HYDRAZINE EN SOLUTION AQUEUSE contenant plus de 37 % (masse) d'hydrazine  | 8 | CT1 | I | T10 | TP2 | L10BH |   |
| 2031 | ACIDE NITRIQUE, à l'exclusion de l'acide nitrique fumant rouge, contenant plus de 70 % d'acide nitrique | 8 | CO1 | I | T10 | TP2 | L10BH | TC6 TT1 |
| 2031 | ACIDE NITRIQUE, à l'exclusion de l'acide nitrique fumant rouge, contenant au moins 65 % mais au plus 70 % d'acide nitrique | 8 | CO1 | II | T8 | TP2 | L4BN | TU42 |
| 2031 | ACIDE NITRIQUE, à l'exclusion de l'acide nitrique fumant rouge, contenant moins de 65 % d'acide nitrique | 8 | C1 | II | T8 | TP2 | L4BN | TU42 |
| 2032 | ACIDE NITRIQUE FUMANT ROUGE | 8 | COT | I | T20 | TP2 | L10BH | TC6 TT1 |
| 2054 | MORPHOLINE | 8 | CF1 | I | T10 | TP2 | L10BH |   |
| 2240 | ACIDE SULFOCHROMIQUE | 8 | C1 | I | T10 | TP2 | L10BH |   |
| 2257 | POTASSIUM | 4.3 | W2 | I | T9 | TP7TP33 | L10BN(+) | TU1 TE5 TT3 TM2 |
| 2308 | HYDROGÉNOSULFATE DE NITROSYLE LIQUIDE | 8 | C1 | II | T8 | TP2 | L4BN |   |
| 2353 | CHLORURE DE BUTYRYLE | 3 | FC | II | T8 | TP2 | L4BH |   |
| 2401 | PIPÉRIDINE | 8 | CF1 | I | T10 | TP2 | L10BH |   |
| 2434 | DIBENZYLDICHLOROSILANE | 8 | C3 | II | T10 | TP2TP7 | L4BN |   |
| 2435 | ÉTHYLPHÉNYLDI-CHLOROSILANE | 8 | C3 | II | T10 | TP2TP7 | L4BN |   |
| 2437 | MÉTHYLPHÉNYLDI-CHLOROSILANE | 8 | C3 | II | T10 | TP2TP7 | L4BN |   |
| 2444 | TÉTRACHLORURE DE VANADIUM | 8 | C1 | I | T10 | TP2 | L10BH |   |
| 2513 | BROMURE DE BROMACÉTYLE | 8 | C3 | II | T8 | TP2 | L4BN |   |
| 2571 | ACIDES ALKYLSULFURIQUES | 8 | C3 | II | T8 | TP2TP28 | L4BN |   |
| 2584 | ACIDES ALKYLSULFONIQUES LIQUIDES ou ACIDES ARYLSULFONIQUES LIQUIDES contenant plus de 5 % d'acide sulfurique libre | 8 | C1 | II | T8 | TP2 | L4BN |   |
| 2604 | ÉTHERATE DIÉTHYLIQUE DE TRIFLUORURE DE BORE | 8 | CF1 | I | T10 | TP2 | L10BH |   |
| 2699 | ACIDE TRIFLUORACÉTIQUE | 8 | C3 | I | T10 | TP2 | L10BH |   |
| 2734 | AMINES LIQUIDES CORROSIVES, INFLAMMABLES, N.S.A. ou POLYAMINES LIQUIDES CORROSIVES, INFLAMMABLES, N.S.A. | 8 | CF1 | I | T14 | TP2TP27 | L10BH |   |
| 2735 | AMINES LIQUIDES CORROSIVES, N.S.A. ou POLYAMINES LIQUIDES CORROSIVES, N.S.A. | 8 | C7 | I | T14 | TP2TP27 | L10BH |   |
| 2743 | CHLOROFORMIATE DE n-BUTYLE | 6.1 | TFC | II | T20 | TP2 | L4BH | TU15 TE19 |
| 2749 | TÉTRAMÉTHYLSILANE | 3 | F1 | I | T14 | TP2 | L4BN |   |
| 2796 | ACIDE SULFURIQUE contenant au plus 51 % d'acide ou ÉLECTROLYTE ACIDE POUR ACCUMULATEURS | 8 | C1 | II | T8 | TP2 | L4BN | TU42 |
| 2801 | COLORANT LIQUIDE CORROSIF, N.S.A. ou MATIÈRE INTERMÉDIAIRE LIQUIDE POUR COLORANT, CORROSIVE, N.S.A. | 8 | C9 | I | T14 | TP2TP27 | L10BH |   |
| 2879 | OXYCHLORURE DE SÉLÉNIUM | 8 | CT1 | I | T10 | TP2 | L10BH |   |
| 2920 | LIQUIDE CORROSIF, INFLAMMABLE, N.S.A. | 8 | CF1 | I | T14 | TP2TP27 | L10BH |   |
| 2922 | LIQUIDE CORROSIF, TOXIQUE, N.S.A. | 8 | CT1 | I | T14 | TP2TP27 | L10BH |   |
| 2985 | CHLOROSILANES INFLAMMABLES, CORROSIFS, N.S.A. | 3 | FC | II | T14 | TP2 TP7 TP27 | L4BH |   |
| 2986 | CHLOROSILANES CORROSIFS, INFLAMMABLES, N.S.A. | 8 | CF1 | II | T14 | TP2 TP7 TP27 | L4BN |   |
| 2987 | CHLOROSILANES CORROSIFS, N.S.A. | 8 | C3 | II | T14 | TP2 TP7 TP27 | L4BN |   |
| 3145 | ALKYLPHÉNOLS LIQUIDES, N.S.A. (y compris les homologues C2 à C12 ) | 8 | C3 | I | T14 | TP2 | L10BH |   |
| 3264 | LIQUIDE INORGANIQUE CORROSIF, ACIDE, N.S.A. | 8 | C1 | I | T14 | TP2TP27 | L10BH |   |
| 3265 | LIQUIDE ORGANIQUE CORROSIF, ACIDE, N.S.A. | 8 | C3 | I | T14 | TP2TP27 | L10BH |   |
| 3266 | LIQUIDE INORGANIQUE CORROSIF, BASIQUE, N.S.A. | 8 | C5 | I | T14 | TP2TP27 | L10BH |   |
| 3267 | LIQUIDE ORGANIQUE CORROSIF, BASIQUE, N.S.A. | 8 | C7 | I | T14 | TP2TP27 | L10BH |   |
| 3277 | CHLOROFORMIATES TOXIQUES, CORROSIFS, N.S.A. | 6.1 | TC1 | II | T8 | TP2TP28 | L4BH | TU15 TE19 |
| 3361 | CHLOROSILANES TOXIQUES, CORROSIFS, N.S.A | 6.1 | TC1 | II | T14 | TP2 TP7 TP27 | L4BH | TU15 TE19 |
| 3362 | CHLOROSILANES TOXIQUES, CORROSIFS, INFLAMMABLES, N.S.A. | 6.1 | TFC | II | T14 | TP2 TP7 TP27 | L4BH | TU15 TE19 |
| 3401 | AMALGAME DE MÉTAUX ALCALINS, SOLIDE | 4.3 | W2 | I | T9 | TP7TP33 | L10BN(+) | TU1 TE5 TT3 TM2 |
| 3402 | AMALGAME DE MÉTAUX ALCALINO-TERREUX, SOLIDE | 4.3 | W2 | I | T9 | TP7TP33 | L10BN(+) | TU1 TE5 TT3 TM2 |
| 3403 | ALLIAGES MÉTALLIQUES DE POTASSIUM, SOLIDES | 4.3 | W2 | I | T9 | TP7TP33 | L10BN(+) | TU1 TE5 TT3 TM2 |
| 3404 | ALLIAGES DE POTASSIUM ET SODIUM, SOLIDES | 4.3 | W2 | I | T9 | TP7TP33 | L10BN(+) | TU1 TE5 TT3 TM2 |
| 3484 | HYDRAZINE EN SOLUTION AQUEUSE, INFLAMMABLE contenant plus de 37 % (masse) d’hydrazine | 8 | CFT | I | T10 | TP2 | L10BH |   |

5. List referred to in paragraph 2 above:

|  |  |  |  |
| --- | --- | --- | --- |
| UN | (10) | RID/ADRalternative | (12) |
|  |  |  |  |
| 1196 | T10 | T7 (\*) | L4BH |
| 1250 | T10 | T7 (\*) | L4BH |
| 1298 | T10 | T7 (\*) | L4BH |
| 1305 | T10 | T7 (\*) | L4BH |
| 1402  | T9 | T3 | S2.65AN+ |
| 1569 | T20 | T7 (\*) | L4BH |
| 1716 | T8 | T7 | L4BN |
| 1717 | T8 | T7 (\*) | L4BH |
| 1724 | T10 | T7 | L4BN |
| 1728 | T10 | T7 | L4BN |
| 1736 | T8 | T7 (\*) | L4BH |
| 1737 | T8 | T7 (\*) | L4BH |
| 1742 | T8 | T7 | L4BN |
| 1743 | T8 | T7 | L4BN |
| 1747 | T10 | T7 | L4BN |
| 1754 | T20 | T12 | L10BH |
| 1762 | T10 | T7 | L4BN |
| 1763 | T10 | T7 | L4BN |
| 1764 | T8 | T7 | L4BN |
| 1766 | T10 | T7 | L4BN |
| 1767 | T10 | T7 | L4BN |
| 1768 | T8 | T7 | L4BN |
| 1769 | T10 | T7 | L4BN |
| 1771 | T10 | T7 | L4BN |
| 1778 | T8 | T7 | L4BN |
| 1781 | T10 | T7 | L4BN |
| 1782 | T8 | T7 | L4BN |
| 1784 | T10 | T7 | L4BN |
| 1789 | T8 | T7 | L4BN |
| 1796 II | T8 | T7 | L4BN |
| 1799 | T10 | T7 | L4BN |
| 1800 | T10 | T7 | L4BN |
| 1801 | T10 | T7 | L4BN |
| 1804 | T10 | T7 | L4BN |
| 1816 | T10 | T7 | L4BN |
| 1817 | T8 | T7 | L4BN |
| 1818 | T10 | T7 | L4BN |
| 1828 | T20 | T12 | L10BH |
| 1829 | T20 | T12 | L10BH |
| 1831 | T20 | T12 | L10BH |
| 1832 | T8 | T7 | L4BN |
| 1906 | T8 | T7 | L4BN |
| 2031 II | T8 | T7 | L4BN |
| 2031 III | T8 | T7 | L4BN |
| 2032 | T20 | T12 | L10BH |
| 2308 | T8 | T7 | L4BN |
| 2353 | T8 | T7 (\*) | L4BH |
| 2434 | T10 | T7 | L4BN |
| 2435 | T10 | T7 | L4BN |
| 2437 | T10 | T7 | L4BN |
| 2571 | T8 | T7 | L4BN |
| 2584 | T8 | T7 | L4BN |
| 2734  | T14 | T12 | L10BH |
| 2735 | T14 | T12 | L10BH |
| 2743 | T20 | T12 | L4BH |
| 2749 | T14 | T7 | L4BN |
| 2796 | T8 | T7 | L4BN |
| 2801  | T14 | T12 | L10BH |
| 2920 | T11 | T7 | L4BN |
| 2922 | T14 | T12 | L10BH |
| 2985 | T14 | T7 (\*) | L4BH |
| 2986 | T14 | T7 | L4BN |
| 2987 | T14 | T7 | L4BN |
| 3264 | T14 | T12 | L10BH |
| 3265  | T14 | T12 | L10BH |
| 3266  | T14 | T12 | L10BH |
| 3267  | T14 | T12 | L10BH |
| 3361 | T14 | T7 (\*) | L4BH |
| 3362 | T14 | T7 (\*) | L4BH |
|  |  |  |  |
| (\*) The presence of the rupture disc is mandatory |