**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 | TP2 TP7 | L4BH |  |
| 1196 | ÉTHYLTRICHLOROSILANE | 3 | FC | II | T10 | TP2 TP7 | L4BH |  |
| 1250 | MÉTHYLTRICHLOROSILANE | 3 | FC | II | T10 | TP2 TP7 | L4BH |  |
| 1298 | TRIMÉTHYLCHLOROSILANE | 3 | FC | II | T10 | TP2 TP7 | L4BH |  |
| 1305 | VINYLTRICHLOROSILANE | 3 | FC | II | T10 | TP2 TP7 | L4BH |  |
| 1402 | CARBURE DE CALCIUM | 4.3 | W2 | I | T9 | TP7 TP33 | S2.65AN(+) | TU4 TU22 TM2 TA5 |
| 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 | TP7 TP33 | 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 | TP2 TP7 | L4BN |  |
| 1728 | AMYLTRICHLOROSILANE | 8 | C3 | II | T10 | TP2 TP7 | 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 | TP2 TP7 | L4BN |  |
| 1753 | CHLOROPHÉNYL-TRICHLOROSILANE | 8 | C3 | II | T10 | TP2 TP7 | 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 | TP2 TP27 | L10BH |  |
| 1762 | CYCLOHÉXÉNYLTRI-CHLOROSILANE | 8 | C3 | II | T10 | TP2 TP7 | L4BN |  |
| 1763 | CYCLOHEXYLTRI-CHLOROSILANE | 8 | C3 | II | T10 | TP2 TP7 | L4BN |  |
| 1764 | ACIDE DICHLORACÉTIQUE | 8 | C3 | II | T8 | TP2 | L4BN |  |
| 1766 | DICHLOROPHÉNYL-TRICHLOROSILANE | 8 | C3 | II | T10 | TP2 TP7 | L4BN |  |
| 1767 | DIÉTHYLDICHLOROSILANE | 8 | CF1 | II | T10 | TP2 TP7 | L4BN |  |
| 1768 | ACIDE DIFLUORO-PHOSPHORIQUE ANHYDRE | 8 | C1 | II | T8 | TP2 | L4BN |  |
| 1769 | DIPHÉNYLDICHLOROSILANE | 8 | C3 | II | T10 | TP2 TP7 | L4BN |  |
| 1771 | DODECYLTRICHLOROSILANE | 8 | C3 | II | T10 | TP2 TP7 | 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 | TP2 TP7 | L4BN |  |
| 1782 | ACIDE HEXAFLUORO-PHOSPHORIQUE | 8 | C1 | II | T8 | TP2 | L4BN |  |
| 1784 | HEXYLTRICHLOROSILANE | 8 | C3 | II | T10 | TP2 TP7 | 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 | TP2 TP7 | L4BN |  |
| 1800 | OCTADECYLTRI-CHLOROSILANE | 8 | C3 | II | T10 | TP2 TP7 | L4BN |  |
| 1801 | OCTYLTRICHLOROSILANE | 8 | C3 | II | T10 | TP2 TP7 | L4BN |  |
| 1804 | PHÉNYLTRICHLOROSILANE | 8 | C3 | II | T10 | TP2 TP7 | L4BN |  |
| 1816 | PROPYLTRICHLOROSILANE | 8 | CF1 | II | T10 | TP2 TP7 | L4BN |  |
| 1817 | CHLORURE DE PYROSULFURYLE | 8 | C1 | II | T8 | TP2 | L4BN |  |
| 1818 | TÉTRACHLORURE DE SILICIUM | 8 | C1 | II | T10 | TP2 TP7 | 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 | TP2 TP28 | 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 | TP2 TP6 TP24 | 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 | TP7 TP33 | 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 | TP2 TP7 | L4BN |  |
| 2435 | ÉTHYLPHÉNYLDI-CHLOROSILANE | 8 | C3 | II | T10 | TP2 TP7 | L4BN |  |
| 2437 | MÉTHYLPHÉNYLDI-CHLOROSILANE | 8 | C3 | II | T10 | TP2 TP7 | 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 | TP2 TP28 | 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 | TP2 TP27 | L10BH |  |
| 2735 | AMINES LIQUIDES CORROSIVES, N.S.A. ou POLYAMINES LIQUIDES CORROSIVES, N.S.A. | 8 | C7 | I | T14 | TP2 TP27 | 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 | TP2 TP27 | L10BH |  |
| 2879 | OXYCHLORURE DE SÉLÉNIUM | 8 | CT1 | I | T10 | TP2 | L10BH |  |
| 2920 | LIQUIDE CORROSIF, INFLAMMABLE, N.S.A. | 8 | CF1 | I | T14 | TP2 TP27 | L10BH |  |
| 2922 | LIQUIDE CORROSIF, TOXIQUE, N.S.A. | 8 | CT1 | I | T14 | TP2 TP27 | 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 | TP2 TP27 | L10BH |  |
| 3265 | LIQUIDE ORGANIQUE CORROSIF, ACIDE, N.S.A. | 8 | C3 | I | T14 | TP2 TP27 | L10BH |  |
| 3266 | LIQUIDE INORGANIQUE CORROSIF, BASIQUE, N.S.A. | 8 | C5 | I | T14 | TP2 TP27 | L10BH |  |
| 3267 | LIQUIDE ORGANIQUE CORROSIF, BASIQUE, N.S.A. | 8 | C7 | I | T14 | TP2 TP27 | L10BH |  |
| 3277 | CHLOROFORMIATES TOXIQUES, CORROSIFS, N.S.A. | 6.1 | TC1 | II | T8 | TP2 TP28 | 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 | TP7 TP33 | L10BN(+) | TU1 TE5 TT3 TM2 |
| 3402 | AMALGAME DE MÉTAUX ALCALINO-TERREUX, SOLIDE | 4.3 | W2 | I | T9 | TP7 TP33 | L10BN(+) | TU1 TE5 TT3 TM2 |
| 3403 | ALLIAGES MÉTALLIQUES DE POTASSIUM, SOLIDES | 4.3 | W2 | I | T9 | TP7 TP33 | L10BN(+) | TU1 TE5 TT3 TM2 |
| 3404 | ALLIAGES DE POTASSIUM ET SODIUM, SOLIDES | 4.3 | W2 | I | T9 | TP7 TP33 | 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/ADR  alternative | (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 | | | |