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Sub-section 6.1.6.2: Review of the list of substances

Comments on document TRANS/WP.15/AC.1/2002/1 transmitted by Germany

In document TRANS/WP.15/AC.1/2002/1 deficiencies of the existing list of substances in 6.1.6.2 of RID/ADR are demonstrated by means of some examples. For the purpose of the verification of these deficiencies in each individual case a detailed assessment of the assignment of substances to standard liquids is undertaken in this information paper on the basis of the actual level of awareness according to the principles mentioned in TRANS/WP.15/AC.1/2002/1.

For this purpose, with the aid of the list of substances of the old RID/ADR, a list of all single entries and all collective entries has been made out of the restructured RID/ADR, which are referred to substances or groups of substances in 6.1.6.2. This list of single entries and collective entries is ordered by their respective UN Number. For each entry the actual classification characteristics and the assigned standard liquid(s) are indicated as well as the item number and the letter of the old RID/ADR for verification purposes. Where required, explanations are given in the last column of the table to which chemical group of substances in 6.1.6.2 the entry is belonging. Where required, proposals are made on the basis of appropriate rationales, whether the assignment of the entry to standard liquids should be changed or the whole entry should be cancelled from the list of substances.

If a modification of the assignment of entries to standard liquids is proposed in relation to the present regulations, the concerned cells of the table have a grey background colour (yellow background colour if printed on a colour printer). If it is proposed to cancel the whole entry from the substance list, the complete row is coloured grey (resp. yellow) in the background.

Aus Kostengründen wurde dieses Dokument nur in begrenzter Auflage gedruckt. Die Delegierten werden daher gebeten, die ihnen zugesandten Exemplare zu den Sitzungen mitzubringen. Das Zentralamt verfügt nur über eine sehr geringe Reserve.

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|---|--|-------|------------------------------|-----------------------|-----|-------------|---|--|
| | Acetal | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ethers; no experience by reason of high permeation; entry should be cancelled |
| 1090 | Acetone | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ketones Remark: applicable only, if it is proved that the permeability of the substance out of the package intended for carriage has an acceptable level |
| 1104 | Amyl acetates | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 1105 | Pentanols | flashpoint below 23 °C | 3 | F1 | II | 3° | (b) | Acetic acid | Proposed new assignment: n-Butyl acetate/ n-butyl acetate-saturated wetting solution |
| | Pentanols | flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Acetic acid | Proposed new assignment: n-Butyl acetate/ n-butyl acetate-saturated wetting solution |
| 1107 | Amyl chloride | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| | Amyl formates | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 1110 | n-Amyl methyl ketone | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to ketones no experience by reason of high permeation; entry should be cancelled |
| 1112 | Amyl nitrate | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | nitrogeneous substance: no test results; entry should be cancelled |
| 1114 | Benzene | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; substance has a higher swelling effect than "Mixture of hydrocarbons"; entry should be cancelled |
| 1120 | Butanols | flashpoint below 23 °C | 3 | F1 | Ш | 3° | (b) | Acetic acid | |
| | Butanols | flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Acetic acid | |
| | Butyl acetates | flashpoint below 23 °C | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| | Butyl acetates | flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 1126 | 1-Bromobutane | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| 1127 | 1-Chlorobutane | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| | n-Butyl formate | | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| | Butyraldehyde | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | |
| 1133 | Adhesives containing flam- mable liquid | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|---|---|-------|------------------------------|-----------------------|-----|-------------|---|--|
| | Adhesives containing flam- mable liquid | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 110 kPa but not more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| | Adhesives containing flam- mable liquid | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C not more than 110 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| 1134 | Chlorobenzene | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation and too high swelling effect; entry should be cancelled |
| 1136 | Coal tar distillates | flashpoint below 23 °C | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; components are not sufficiently specified: entry entry should be cancelled |
| 1136 | Coal tar distillates | flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; components are not sufficiently specified: entry entry should be cancelled |
| | trial or other pur- | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| | ings used for Indus- trial or other pur- poses such as vehi- | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 110 kPa but not more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| 1139 | Coating solution (includes surface treatments or coat- ings used for Indus- trial or other pur- | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C not more than 110 kPa) | 3 | F1 | III | 31° | (c) | (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| | Cyclohexane | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | |
| | Cyclopentane | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | |
| | Decahydro- naphthalene | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; substance is a solvent for PE-HD; entry should be cancelled |
| 1148 | Diacetone alcohol | flashpoint below 23 °C | 3 | F1 | II | 3° | (b) | Acetic acid | substance belongs to alco- hols; no test results; entry should be cancelled |
| | | flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Acetic acid | substance belongs to alco- hols; no test results; entry should be cancelled |
| | Dibutylether | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to ethers; no experience by reason of high permeation; entry should be cancelled |
| | 1,2-Dichloro- ethylene | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|------------------------------------|---|-------|------------------------------|-----------------------|-----|-------------|---|---|
| 1152 | Dichloropentanes | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| 1153 | Ethylene glycol diethyl ether | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to ethers; proposed new assignment: n- Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons |
| 1156 | Diethyl ketone | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ketones no experience by reason of high permeation; entry should be cancelled |
| 1157 | Diisobutyl ketone | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to ketones no experience by reason of high permeation; entry should be cancelled |
| | Diisopropyl ether | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ethers; no experience by reason of high permeation; entry should be cancelled |
| | Dimethyl carbonate | | 3 | F1 | II | 3° | (b) | wetting solution | no test results, but assign- ment seems reasonable |
| 1165 | Dioxane | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | |
| 1166 | Dioxolane | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ethers; no test results; entry should be cancelled |
| 1169 | liquid | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| 1169 | Extracts, aromatic, liquid | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 110 kPa but not more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| 1169 | iiquiu | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C not more than 110 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| 1170 | Ethanol | | 3 | F1 | П | 3° | (b) | Acetic acid | |
| | Ethanol | aqueous solution, concentration of etha- nol more than 70% by volume | 3 | F1 | II | 3° | (b) | Acetic acid | |
| | Ethanol | aqueous solution, concentration of etha- nol more than 24% and not more than 70% by volume | 3 | F1 | III | 31° | (c) | Acetic acid | |
| 1171 | Ethylene glycol monoethyl ether | | 3 | F1 | III | 31° | (c) | Acetic acid | substance belongs to alco- hols; proposed new assign- ment: n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|--|--|-------|------------------------------|-----------------------|-----|-------------|---|---|
| 1172 | Ethylene glycol monoethyl ether acetate | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to esters; proposed new assignment: n- Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons |
| | Ethyl acetate | | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 1175 | Ethylbenzene | | 3 | F1 | II | ိ | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; substance has a higher swelling effect than "Mixture of hydrocarbons"; entry should be cancelled |
| 1176 | Ethyl borate | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to esters; no test results; may have other properties than "normal" esters; entry should be can- celled |
| | Ethylbutyl acetate | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | substance belongs to esters; no test results; assignment seems reasonable |
| 1178 | 2-Ethyl- butyraldehyde | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | |
| 1179 | Ethyl butyl ether | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ethers; no experience by reason of high permeation; entry should be cancelled |
| 1180 | Ethyl butyrate | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 1188 | Ethylene glycol monomethyl ether | | 3 | F1 | III | 31° | (c) | Acetic acid | substance belongs to alco- hols; proposed new assign- ment: n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons |
| 1189 | Ethylene glycol monomethyl ether acetate | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | substance belongs to esters; proposed new assignment: n- Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons |
| 1190 | Ethyl formate | | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| | Octyl aldehydes | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | |
| | Ethyl lactate | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| | Ethyl methyl ketone (Methyl ethyl ketone) | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ketones no experience by reason of high permeation; entry should be cancelled |
| | Ethyl propionate | | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| | flavouring, liquid | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "viscous substances"; is not sufficiently specified; proposed assignment: Rule for collective entries |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|---|---|-------|------------------------------|-----------------------|-----|-------------|---|--|
| | | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 110 kPa but not more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| | | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C not more than 110 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| 1202 | Diesel fuel | flashpoint not more than 100 °C | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | |
| 1202 | Gas oil | flashpoint not more than 100 °C | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | |
| 1202 | Heating oil, light | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | |
| 1203 | Motor spirit | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | |
| 1203 | Gasoline | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | |
| 1203 | Petrol | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | |
| 1206 | Heptanes | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | |
| | Hexaldehyde | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | |
| | Hexanes | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | |
| | material including | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| | Printing ink related material, including | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 110 kPa but not more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| 1210 | Printing ink, flam- mable or Printing ink related material, including printing ink thinning or reducing com- pound | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C not more than 110 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| 1212 | Isobutanol | | 3 | F1 | III | 31° | (c) | Acetic acid | |
| | Isobutyl acetate | | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 1216 | Isooctenes | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | |
| 1219 | Isopropanol | | 3 | F1 | II | 3° | (b) | Acetic acid | |
| | Isopropyl acetate | | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 1223 | Kerosene | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | |
| 1224 | Ketones | liquid, n.o.s., vapour pressure at 50°C not more than 110 kPa | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | specific n.o.s entry: is not sufficiently specified; pro- posed assignment: rule for collective entries |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|---|--|-------|------------------------------|-----------------------|-----|-------------|---|--|
| | | liquid, n.o.s., flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | specific n.o.s entry: is not sufficiently specified; pro- posed assignment: rule for collective entries |
| | Mesityl oxide | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to ketones no experience by reason of high permeation; entry should be cancelled |
| 1230 | Methanol | | 3 | FT1 | II | 17° | (b) | Acetic acid | |
| 1231 | Methyl acetate | | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| | Methylamyl acetate | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 1237 | Methyl butyrate | | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| | Methyl isobutyl ketone | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ketones no experience by reason of high permeation; entry should be cancelled |
| 1246 | Methyl isopropenyl ketone | stabilized | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ketones no experience by reason of high permeation; entry should be cancelled |
| 1247 | Methyl methacrylate | monomer, stabilized | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 1248 | Methyl propionate | | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 1249 | Methyl propyl ketone | stabilized | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ketones no experience by reason of high permeation; entry should be cancelled |
| 1262 | Octanes | | 3 | F1 | Ш | 3° | (b) | Mixture of hydrocarbons | |
| | mel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or Paint related material (including paint thinning and reducing compound) | pressure at 50°C more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| | varnish, polish, liquid filler and liquid lacquer base) or Paint related material (including paint thinning and reducing compound) | pressure at 50°C more than 110 kPa but not more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| 1263 | varnish, polish, liquid filler and liquid lac- | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C not more than 110 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|---|---|-------|------------------------------|-----------------------|-----|-------------|---|--|
| 1264 | Paraldehyde | | 3 | F1 | Ш | 31° | (c) | Mixture of hydrocarbons | substance belongs to |
| | | | | | | | | | aldhydes; no test results; entry should be cancelled |
| 1266 | Perfumery prod- ucts with flamma- ble solvents | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| 1266 | Perfumery prod- ucts with flamma- ble solvents | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 110 kPa but not more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| 1266 | Perfumery prod- ucts with flamma- ble solvents | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C not more than 110 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| 1267 | Petroleum crude oil | vapour pressure at 50°C not more than 110 kPa | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; components are not sufficiently specified: entry should be cancelled |
| 1267 | Petroleum crude oil | flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; components are not sufficiently specified: entry should be cancelled |
| 1268 | Petroleum distillates or Petroleum products | n.o.s., vapour pres- sure at 50°C not more than 110 kPa | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; is not sufficiently specified; proposed assign- ment: Rule for collective entries |
| | Petroleum distillates or Petroleum products | n.o.s., flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; is not sufficiently specified; proposed assign- ment: Rule for collective entries |
| 1274 | n-Propanol | flashpoint below 23 °C | 3 | F1 | Ш | 3° | (b) | Acetic acid | |
| 1274 | n-Propanol | flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Acetic acid | |
| 1275 | Propionaldehyde | | 3 | F1 | П | 3° | (b) | Mixture of hydrocarbons | |
| 1276 | n-Propyl acetate | | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 1279 | 1,2-Dichloro- propane | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| | Propyl formates | | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| | Rosin oil | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 175 kPa) | | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| 1286 | Rosin oil | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 110 kPa but not more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|----------------------------------|---|-------|------------------------------|-----------------------|-----|-------------|---|---|
| 1286 | Rosin oil | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C not more than 110 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| 1287 | Rubber solution | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| 1286 | Rubber solution | (having a flashpoint below 23°C and viscous according to 2.2.3.1.4) (vapour pressure at 50°C more than 110 kPa but not more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| | | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C not more than 110 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| | Shale oil | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; components are not sufficiently specified: entry should be cancelled |
| 1288 | Shale oil | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; components are not sufficiently specified: entry should be cancelled |
| 1292 | Tetraethyl silicate | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | substance belongs to esters; no test results; may have other properties than "normal" esters; entry should be can- celled |
| 1294 | Toluene | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; substance has a higher swelling effect than "Mixture of hydrocarbons"; entry should be cancelled |
| 1299 | Turpentine | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; substance has a higher swelling effect than "Mixture of hydrocarbons"; entry should be cancelled |
| | Turpentine substitute | flashpoint below 23 °C | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; substance has a higher swelling effect than "Mixture of hydrocarbons"; entry should be cancelled |
| | Turpentine substitute | flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; substance has a higher swelling effect than "Mixture of hydrocarbons"; entry should be cancelled |
| 1301 | Vinyl acetate | stabilized | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 1304 | Vinyl isobutyl ether | stabilized | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ethers; no experience by reason of high permeation; entry should be cancelled |
| | Wood preservatives, liquid | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|---|---|--------|------------------------------|-----------------------|---------|-------------|---|---|
| | Wood preservatives, liquid | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 110 kPa but not more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "viscous substances"; is not sufficiently specified; proposed assignment: Rule for collective entries |
| | Wood preservatives, liquid | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C not more than 110 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| 1307 | Xylenes | flashpoint below 23 °C | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; substance has a higher swelling effect than "Mixture of hydrocarbons"; entry should be cancelled |
| 1307 | Xylenes | flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; substance has a higher swelling effect than "Mixture of hydrocarbons"; entry should be cancelled |
| 1547 | Aniline | | 6.1 | T1 | Ш | 12° | (b) | Acetic acid | one y one and be cancelled |
| 1715 | Acetic anhydride | | 8 | CF1 | П | 32° | (b) | Acetic acid | |
| 1755 | Chromic acid | aqueous solution with not more than 30% chromic acid, corro- sive | 8 | C1 | II | 17° | (b) | Nitric acid (55%) | |
| | Chromic acid | aqueous solution with not more than 30% chromic acid, slightly corrosive | 8 | C1 | III | 17° | (c) | Nitric acid (55%) | |
| | Fluoroboric acid | aqueous solution with not more than 50% fluoroboric acid | 8 | C1 | II | 8° | (b) | Water | |
| 1778 | Fluorosilicic acid | | 8 | C1 | Ш | 8° | (b) | Water | |
| | Formic acid | | 8 | C3 | II | 32° | (b) | Acetic acid | |
| | Hydriodic acid | aqueous solution, corrosive | 8 | C1 | II | 5° | (b) | Water | |
| 1787 | Hydriodic acid | aqueous solution, slightly corrosive | 8 | C1 | III | 5° | (c) | Water | |
| 1788 | Hydrobromic acid | aqueous solution, corrosive | 8 | C1 | Ш | 5° | (b) | Water | |
| 1788 | Hydrobromic acid | aqueous solution, slightly corrosive | 8 | C1 | III | 5° | (c) | Water | |
| 1789 | Hydrochloric acid | not more than 36% aqueous solution, corrosive | 8 | C1 | II | 5° | (b) | Water | Proposal: hydrochloric acid with not more than 38 % should be included |
| 1789 | Hydrochloric acid | aqueous solution, slightly corrosive | 8 | C1 | III | 5° | (c) | Water | |
| 1790 | Hydrogen fluoride | aqueous solution, with not more than 60% hydrogen fluoride | 8 | CT1 | II | 7° | (b) | Water the permissible period of use: not more than 2 years; maximum 60 litres | Proposal: condition "maximum 60 litres" should be cancelled |
| | acid-resistant vent an design type, resistant | aqueous solution, slightly corrosive out only with vent. If the d gasket shall be used. to hypochlorite (e.g. of | For hy | pochlorite | solution | ıs, ver | nts ar | nd gaskets of the same | |
| | are also permitted. Perchloric acid | aqueous solution with not more than 50% acid, by mass | 8 | CO1 | II | 4° | (b) | Nitric acid (55%) | Proposed new assignment: Water |
| 1805 | Phosphoric acid | liquid | 8 | C1 | III | 17° | (c) | Water | |
| | Potassium hydroxide | aqueous solution, corrosive | 8 | C5 | II | 42° | (b) | Water | |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|-----------------------------------|---|-------|------------------------------|-----------------------|-----|-------------|---|---|
| | Potassium hydroxide | aqueous solution, slightly corrosive | 8 | C5 | III | 42° | (c) | Water | |
| 1824 | Sodium hydroxide | aqueous solution, corrosive | 8 | C5 | II | 42° | (b) | Water | |
| 1824 | Sodium hydroxide | aqueous solution, slightly corrosive | 8 | C5 | III | 42° | (c) | Water | |
| 1830 | Sulphuric acid | with more than 51% pure acid | 8 | C1 | II | 1° | (b) | Water | |
| | Sulphuric acid, spent | chemical stable | 8 | C1 | II | 1° | (b) | Water | |
| | Propionic acid | | 8 | C3 | III | 32° | (c) | Acetic acid | Proposed new assignment: n-Butyl acetate/ n-butyl acetate-saturated wetting solution |
| 1862 | Ethyl crotonate | | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| | Fuel, aviation, turbine engine | vapour pressure at 50°C not more than 110 kPa | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; assignment seems to be reasonable |
| | Fuel, aviation, turbine engine | flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; assignment seems to be reasonable |
| | Resin solution, flammable | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| | Resin solution, flammable | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 110 kPa but not more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| | Resin solution, flammable | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C not more than 110 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons (in fact only for packing group II) | substance belongs to "vis- cous substances"; is not sufficiently specified; pro- posed assignment: Rule for collective entries |
| | Chlorite solution | aqueous solution, slightly corrosive | 8 | C9 | III | 61° | (c) | Nitric acid (55%) | Proposed new assignment: Acetic acid |
| 1914 | Butyl propionates | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 1915 | Cyclohexanone | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | |
| 1917 | Ethyl acrylate | stabilized | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 1918 | Isopropylbenzene | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; substance has a higher swelling effect than "Mixture of hydrocarbons"; entry should be cancelled |
| 1919 | Methyl acrylate | stabilized | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 1920 | Nonanes | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | |
| 1940 | Thioglycolic acid | | 8 | C3 | II | 32° | (b) | Acetic acid | |
| 1987 | Alcohols | n.o.s., vapour pressure at 50°C not more than 110 kPa | 3 | F1 | II | 3° | (b) | Acetic acid | specific n.o.s entry: is not sufficiently specified; pro- posed assignment: rule for collective entries |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|-------------------|---|-------|------------------------------|-----------------------|-----|-------------|---|--|
| 1987 | Alcohols | n.o.s., flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Acetic acid | specific n.o.s entry: is not sufficiently specified; pro- posed assignment: rule for collective entries |
| 1989 | Aldehydes | n.o.s., vapour pres- sure at 50°C not more than 110 kPa | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | specific n.o.s entry: is not sufficiently specified; pro- posed assignment: rule for collective entries |
| 1989 | Aldehydes | n.o.s., flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | specific n.o.s entry: is not sufficiently specified; pro- posed assignment: rule for collective entries |
| 1999 | Tars, liquid | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; components are not sufficiently specified: entry entry should be cancelled |
| 1999 | Tars, liquid | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C more than 110 kPa but not more than 175 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; components are not sufficiently specified: entry entry should be cancelled |
| 1999 | Tars, liquid | (having a flashpoint below 23°C and vis- cous according to 2.2.3.1.4) (vapour pressure at 50°C not more than 110 kPa) | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; components are not sufficiently specified: entry entry should be cancelled |
| 2014 | | aqueous solution, with not less than 20% but not more than 60% hydrogen peroxide, stabilized as neces- sary | 5.1 | OC1 | II | 1° | (b) | Water | Proposed new assignment: nitric acid (55%) |
| 2022 | Cresylic acid | | 6.1 | TC1 | Ш | 27° | (b) | Acetic acid | |
| | , | aqueous solution with 64% hydrazine | 8 | CT1 | II | 44° | (b) | Water | |
| 2031 | Nitric acid | with not more than 55% pure acid | 8 | CO1 | II | 2° | (b) | Nitric acid (55%) | |
| 2045 | Isobutyraldehyde | 0070 pare asia | 3 | F1 | П | 3° | (b) | Mixture of hydrocarbons | |
| 2046 | Cymenes | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; substance has a higher swelling effect than "Mixture of hydrocarbons"; entry should be cancelled |
| 2047 | Dichloropropenes | flashpoint below 23 °C | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| 2047 | Dichloropropenes | flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| 2048 | Dicyclopentadiene | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; may have higher swelling rates than mixture of hydrocarbons; entry should be cancelled |
| 2049 | Diethylbenzene | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; substance has a higher swelling effect than "Mixture of hydrocarbons"; entry should be cancelled |
| 2050 | Diisobutylene | isomeric compounds | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; assignment seems to be reasonable |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|--|---|-------|------------------------------|-----------------------|-----|-------------|---|--|
| 2052 | Dipentene | | 3 | F1 | III | 31° | (c) | | substance belongs to hydro- carbons; no test results; may have higher swelling rates than mixture of hydrocarbons; entry should be cancelled |
| 2053 | Methyl isobutyl carbinol | | 3 | F1 | III | 31° | (c) | Acetic acid | |
| 2054 | Morpholine | | 3 | CF1 | - 1 | 31° | (c) | Mixture of hydrocarbons | |
| 2055 | Styrene | monomer, stabilized | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; substance has a higher swelling effect than "Mixture of hydrocarbons"; entry should be cancelled |
| 2056 | Tetrahydrofuran | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ethers; no experience by reason of high permeation; entry should be cancelled |
| 2057 | Tripropylene | flashpoint below 23 °C | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; assignment seems to be reasonable |
| 2057 | Tripropylene | flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; assignment seems to be reasonable |
| 2058 | Valeraldehyde | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | |
| 2059 | Nitrocellulose solution, flamma- ble | containing not more than 55 % nitrocellu- lose with a nitrogen content not exceeding 12.6 %, vapour pres- sure at 50°C more than 110 kPa but not more than 175 kPa | 3 | D | II | 4° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons | Components are not sufficiently specified; should be assigned to the Rule for collective entries |
| 2059 | Nitrocellulose solution, flamma- ble | containing not more than 55 % nitrocellu- lose with a nitrogen content not exceeding 12.6 %, vapour pres- sure at 50°C not more than 110 kPa | 3 | D | II | 4° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons | Components are not sufficiently specified; should be assigned to the Rule for collective entries |
| | Nitrocellulose solution, flamma- ble | containing not more than 55 % nitrocellu- lose with a nitrogen content not exceeding 12.6 %, flashpoint between 23 °C and 61 °C | 3 | D | III | 34° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons | Components are not sufficiently specified; should be assigned to theRrule for collective entries |
| | Cresols | liquid | 6.1 | TC1 | Ш | 27° | (b) | Acetic acid | |
| 2209 | Formaldehyde | aqueous solution, with not less than 25% formaldehyde | 8 | C9 | III | 63° | (c) | Water | |
| 2218 | Acrylic acid | stabilized | 8 | CF1 | II | 32° | (b) | Acetic acid | Proposed new assignment: n-Butyl acetate/ n-butyl acetate-saturated wetting solution |
| 2219 | Allylglycidylether | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to ethers; no experience by reason of high permeation; entry should be cancelled |
| | Anisole | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to ethers; no experience by reason of high permeation and too high swelling effect; entry should be cancelled |
| 2227 | n-Butyl methacrylate | stabilized | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | Item | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|---------------------------------------|-------------|-------|------------------------------|-----------------------|------|-------------|---|---|
| | Chlorobenzo- trifluorides | | 3 | F1 | III | 31° | (c) | · | halogenated substance:no test results; probably high swelling effect; entry should be cancelled |
| 2238 | Chlorotoluenes | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation and too high swelling effect; entry should be cancelled |
| 2241 | Cycloheptane | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; assignment seems to be reasonable |
| 2242 | Cycloheptene | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; assignment seems to be reasonable |
| | Cyclohexyl acetate | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| | Cyclopentanol Cyclopentanone | | 3 | F1 F1 | III | 31° | (c) | Acetic acid Mixture of hydrocarbons | |
| | n-Decane | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; assignment seems to be reasonable |
| | Bicylo- [2.2.1]hepta-2,5- diene | stabilized | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | hydrocarbon:no test results; probably high swelling effect; entry should be cancelled |
| | 1,2-Dimethoxy- ethane | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ethers; no experience by reason of high permeation; entry should be cancelled |
| 2256 | Cyclohexene | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; assignment seems to be reasonable |
| | Dimethyl- cyclohexanes | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | |
| | N,N-Dimethyl- formamide | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | Proposed new assignment: n-Butyl acetate/ n-butyl acetate-saturated wetting solution |
| 2271 | Ethyl amyl ketone | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to ketones no experience by reason of high permeation; entry should be cancelled |
| 2275 | 2-Ethylbutanol | | 3 | F1 | III | 31° | (c) | Acetic acid | substance belongs to alco- hols; no test results; proposed new assignment: n-Butyl acetate/ n-butyl acetate-saturated wetting solution |
| 2277 | Ethyl methacrylate | stabilized | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 2278 | n-Heptene | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; assignment seems to be reasonable |
| 2282 | Hexanols | | 3 | F1 | III | 31° | (c) | Acetic acid | substance belongs to alco- hols; no test results; proposed new assignment: n-Butyl acetate/ n-butyl acetate-saturated wetting solution |
| | Isobutyl methacrylate | stabilized | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|--|--|-------|------------------------------|-----------------------|-----|-------------|---|---|
| | Pentamethyl- heptane | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | |
| | Isoheptene | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; assignment seems to be reasonable |
| 2288 | Isohexene | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; assignment seems to be reasonable |
| | 4-Methoxy- 4-methylpentan- 2-one | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to ketones no test results; assignment seems to be reasonable |
| | Methyl- cyclohexane | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | |
| 2297 | Methyl cyclohexanone | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | |
| 2298 | Methyl- cyclopentane | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | |
| | 2-Methylfuran | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ethers; no experience by reason of high permeation; entry should be cancelled |
| | 5-Methylhexan- 2-one | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | |
| | Isopropenyl- benzene | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; probably high swelling effect; entry should be cancelled |
| 2309 | Octadiene | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; assignment seems to be reasonable |
| | Picolines | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | nitrogeneous substance: no test results; assignment seems to be reasonable |
| 2319 | Terpene hydrocar- bons | n.o.s., flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | specific n.o.s entry: probably has too much swelling effect; entry should be cancelled |
| 2323 | Triethyl phosphite | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | no test results; may have other properties than "normal" esters; entry should be can- celled |
| 2324 | Triisobutylene | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | |
| 2325 | 1,3,5-Trimethyl- benzene | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; substance has a higher swelling effect than mixture of hydrocarbons; entry should be cancelled |
| | Trimethyl phosphite | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | no test results; may have other properties than "normal" esters; entry should be can- celled |
| | Undecane | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; assignment seems to be reasonable |
| 2332 | Acetaldehyd oxime | | 3 | F1 | = | 31° | (c) | Mixture of hydrocarbons | nitrogeneous substance: no test results; entry should be cancelled |
| 2338 | Benzotrifluoride | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | halogenated substance: no test results; probably too high swelling effect; entry should be cancelled |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|--------------------------------|---------------------------------------|-------|------------------------------|-----------------------|-----|-------------|---|---|
| 2339 | 2-Bromobutane | | 3 | F1 | II | 3° | (b) | • | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| | 2-Bromoethyl ethyl ether | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| | 1-Bromo- 3-methylbutane | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| 2342 | Bromomethyl- propanes | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| 2343 | 2-Bromopentane | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| 2344 | Bromopropanes | flashpoint below 23 °C | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| 2344 | Bromopropanes | flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| 2345 | 3-Bromopropyne | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| 2346 | Butandione | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ketones no experience by reason of high permeation; entry should be cancelled |
| 2348 | Butyl acrylates | stabilized | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 2350 | Butyl methyl ether | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ethers; no experience by reason of high permeation; entry should be cancelled |
| 2351 | Butyl nitrites | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | nitrogeneous substance: no test results; entry should be cancelled |
| 2352 | Butyl vinyl ether | stabilized | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ethers; no experience by reason of high permeation; entry should be cancelled |
| 2358 | Cyclooctatetraene | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; entry should be cancelled |
| | 1,1-Dichloroethane | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| 2364 | n-Propylbenzene | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; substance has a higher swelling effect than mixture of hydrocarbons; entry should be cancelled |
| 2366 | Diethyl carbonate | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | substance belongs to esters; no test results; assignment seems to be reasonable |
| | alpha-Methyl- valeraldehyde | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | Item | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|----------------------------|---------------------------------------|-------|------------------------------|-----------------------|------|-------------|---|--|
| 2368 | alpha-Pinene | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; probably too high swelling effect; entry should be can- celled |
| | 1-Hexene | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; assignment seems to be reasonable |
| 2373 | Diethoxymethane | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ethers; no experience by reason of high permeation; entry should be cancelled |
| | 3,3-Diethoxy- propene | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ethers; no experience by reason of high permeation; entry should be cancelled |
| | 2,3-Dihydropyran | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ethers; no experience by reason of high permeation; entry should be cancelled |
| | 1,1-Dimethoxy- ethane | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ethers; no experience by reason of high permeation; entry should be cancelled |
| 2384 | Di-n-propyl ether | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ethers; no experience by reason of high permeation; entry should be cancelled |
| | Ethyl isobutyrate | | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| | Fluorobenzene | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | halogenated substance: no test results; probably too high swelling effect; entry should be cancelled |
| | Fluorotoluenes | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | halogenated substance: no test results; probably too high swelling effect; entry should be cancelled |
| 2390 | 2-lodobutane | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| 2391 | 2-lodomethyl- propanes | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| 2392 | lodopropanes | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| | Isobutyl formate | | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| | | flashpoint between 23 °C and 61 °C | 3 | F1 | III | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| | 3Methylbutan- 2-one | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ketones no experience by reason of high permeation; entry should be cancelled |
| | Methyl tert-butyl ether | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ketones no experience by reason of high permeation; entry should be cancelled |
| | Methyl isovalerate | | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| | Isopropenyl acetate | | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|---|--------------------------------|-------|------------------------------|-----------------------|------------|-------------|---|--|
| 2405 | Isopropyl butyrate | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 2406 | Isopropyl isobutyrate | | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| | Isopropyl propionate | | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 2413 | Tetrapropyl orthotitanate | | 3 | F! | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | no test results; may have other properties than normal esters; entry should be can- celled |
| 2416 | Trimethyl borate | | 3 | F! | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | no test results; may have other properties than normal esters; entry should be can- celled |
| | Potassium chlorate | aqueous solution, oxidizing | 5.1 | O1 | II | 11° | (b) | Water | |
| | Sodium chlorate | aqueous solution, oxidizing | 5.1 | 01 | II | 11° | (b) | Water | |
| 2429 | Calcium chlorate | aqueous solution, oxidizing | 5.1 | 01 | II | 11° | (b) | Water | |
| 2457 | 2,3-Dimehylbutane | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; assignment seems to be reasonable |
| 2458 | Hexadiene | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; assignment seems to be reasonable |
| 2461 | Methylpentadiene | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; assignment seems to be reasonable |
| | 1,2,3,6- Tetrahydro- benzaldehyde Bromobenzene | | 3 | F1 F1 | III | 31° 31° | (c) | Mixture of hydrocarbons Mixture of hydrocarbons | substance belongs to aldehydes; no experience by reason of high permeation and too high swelling effect; entry should be cancelled halogenated substance: no |
| | | | | | | | | | experience by reason of high permeation and too high swelling effect; entry should be cancelled |
| 2520 | Cyclooctadienes | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; assignment seems to be reasonable |
| 2524 | Ethyl orthoformate | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 2527 | Isobutyl acrylate | stabilized | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| | Isobutyl isobutyrate | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| | Methacrylic acid | stabilized | 8 | C3 | II | 32° | (c) | Acetic acid | Proposed new assignment: n-Butyl acetate/ n-butyl acetate-saturated wetting solution |
| | Methyltetrahydro- furan | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ethers; no experience by reason of high permeation; entry should be cancelled |
| 2541 | Terpinolene | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; substance pobably has a too high swelling effect; entry should be cancelled |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|-------------------------------|---|-------|------------------------------|-----------------------|-----|-------------|---|--|
| 2554 | Methylallyl chloride | | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | halogenated substance: no experience by reason of high permeation; entry should be cancelled |
| 2560 | 2-Methylpentan- 2-ol | | 3 | F1 | III | 31° | (c) | Acetic acid | Proposed new assignment: n-Butyl acetate/ n-butyl acetate-saturated wetting solution |
| 2607 | Acrolein dimer | stabilized | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to alde- hydes; no test results; entry should be cancelled |
| 2608 | Nitropropanes | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | nitrogeneous substance: no test results; entry should be cancelled |
| 2614 | Methallyl alcohol | | 3 | F1 | III | 31° | (c) | Acetic acid | |
| | Ethyl propyl ether | | 3 | F1 | II. | 3° | (b) | Mixture of hydrocarbons | substance belongs to ethers; no experience by reason of high permeation; entry should be cancelled |
| | Triisopropyl borate | | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | no test results; may have other properties than normal esters; entry should be can- celled |
| | | flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Acetic acid | |
| 2618 | Vinyltoluenes | stabilized | 3 | F1 | Ш | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; probably too high swelling effect; entry should be can- celled |
| | Amyl butyrates | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 2621 | Acetyl methyl carbinol | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to ketones no test results; may have other properties than normal ketones; entry should be cancelled |
| 2672 | | relative density be- tween 0.880 and 0.957 at 15 °C in water, with more than 10% but not more than 35% am- monia | | C5 | III | 43° | (c) | Water | |
| | , | flashpoint below 23 °C | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ethers; no test results; assignment seems to be reasonable |
| | | flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to ethers; no test results; assignment seems to be reasonable |
| 2709 | Butylbenzenes | | 3 | F1 | Ш | 31° | (c) | Mixture of hydrocarbons | substance belongs to hydro- carbons; no test results; probably too high swelling effect; entry should be can- celled |
| | Dipropyl ketone | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to ketones no experience by reason of high permeation; entry should be cancelled |
| | 1,2-Epoxy-3- ethoxypropane | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | substance belongs to ethers; no test results; entry should be cancelled |
| | | glacial or aqueous solution, more than 80% acid, by mass | 8 | CF1 | II | 32° | (b) | Acetic acid | |
| 2790 | | aqueous solution, not less than 50% but not more than 80% acid, by mass | 8 | C3 | II | 32° | (b) | Acetic acid | |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|--|--|-------|------------------------------|-----------------------|-----|-------------|---|---|
| 2790 | Acetic acid | aqueous solution, more than 10% and less than 50% acid, by mass | 8 | C3 | III | 32° | (c) | Acetic acid | |
| 2796 | Sulphuric acid | with not more than 51% pure acid | 8 | C1 | II | 1° | (b) | Water | |
| _ | Infectious sub- stance, affecting humans | risk group 2, liquid | 6.2 | I1 | | 3° | (b) | Water | entry is now assigned to packing instruction P620; not applicable; entry should be cancelled |
| 2821 | | aqueous solution, slightly toxic, non alkaline | 6.1 | T1 | III | 14° | (c) | Acetic acid | |
| | Vinyl butyrate | stabilized | 3 | F1 | II | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| | Butyraldoxime | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | nitrogenous substance: no test results; entry should be cancelled |
| 2842 | Nitroethane | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | nitrogenous substance: no test results; entry should be cancelled |
| 2850 | tetramer | mixture of C12-mono- olefines, flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | |
| 2874 | Furfuryl alcohol | | 6.1 | T1 | Ш | 14° | (c) | Acetic acid | |
| | Infectious sub- stance, affecting animals only | risk group 2, liquid | 6.2 | I2 | | 3° | (b) | Water | entry is now assigned to packing instruction P620; not applicable; entry should be cancelled |
| | Methyl 2-chloropropionate | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | substance belongs to esters; no test results; assignment seems to be reasonable |
| | Isopropyl 2-chloropropionate | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | substance belongs to esters; no test results; assignment seems to be reasonable |
| | 2-chloropropionate | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | substance belongs to esters; no test results; assignment seems to be reasonable |
| | Tetrahydro- furfurylamine | | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | |
| | Isopropyl chloroacetate | | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | |
| 2984 | | aqueous solution, with not less than 8% but less than 20% hydro- gen peroxide, stabi- lized as necessary | 5.1 | O1 | III | 1° | (c) | Water | Proposed new assignment: Nitric acid (55%) |
| 3022 | | stabilized | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | substance belongs to ethers; no test results; entry should be cancelled |
| 3056 | n-Heptaldehyde | | 3 | F1 | Ш | 31° | (c) | Mixture of hydrocarbons | |
| | Alcoholic bever- ages | with more than 70% alcohol by volume | 3 | F1 | II | 3° | (b) | Acetic acid | |
| 3065 | Alcoholic bever- | with more than 24% but not more than 70% alcohol by volume | 3 | F1 | III | 31° | (c) | Acetic acid | |
| | 1-Methoxy- 2-propanol | | 3 | F1 | III | 31° | (c) | Acetic acid | substance belongs to alco- hols; no test results; entry should be cancelled |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|----------------------------|-----------------------------------|-------|------------------------------|-----------------------|-----|-------------|---|------------------|
| 3101 | Organic Peroxide Type B | liquid | 5.2 | P1 | | 1° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons and nitric acid (55%)** | |
| 3103 | Organic Peroxide Type C | liquid | 5.2 | P1 | | 3° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons and nitric acid (55%)** | |
| 3105 | Organic Peroxide Type D | liquid | 5.2 | P1 | | 5° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons and nitric acid (55%)** | |
| 3107 | Organic Peroxide Type E | liquid | 5.2 | P1 | | 7° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons and nitric acid (55%)** | |
| 3109 | Organic Peroxide Type F | liquid | 5.2 | P1 | | ° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons and nitric acid (55%)** | |
| 3111 | Organic Peroxide Type B | liquid, temperature controlled | 5.2 | P2 | | 11° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons and nitric acid (55%)** | |
| 3113 | Organic Peroxide Type C | liquid, temperature controlled | 5.2 | P2 | | 13° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons and nitric acid (55%)** | |
| | Organic Peroxide Type D | liquid, temperature controlled | 5.2 | P2 | | 15° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons and nitric acid (55%)** | |
| 3117 | Organic Peroxide Type E | liquid, temperature controlled | 5.2 | P2 | | 17° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution <u>and</u> mixture of hydrocarbons <u>and</u> nitric acid (55%)** | |

| UN No. | Name | Description | Class | Classifi- cation- code | Pack- ing Group | | Let- ter | Standard Liquid accord- ing to 6.1.6.2 of the RID/ADR | Comment/Proposal |
|-----------|--|---|-------|------------------------------|-----------------------|-----|-------------|---|--|
| 3119 | Organic Peroxide Type F | liquid, temperature controlled | 5.2 | P2 | | 19° | (b) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons and nitric acid (55%)** | |
| | **) For UN (tert-butyl hydroperoxi All organic peroxi compatibility is conce Compati also indep | | | | | | | | |
| | Alkylphenols | liquid, n.o.s., including C2 to C12 homo- logues, slightly corro- sive | 8 | C3 | IIÍ | 40° | (c) | Acetic acid | Proposed new assignment: n-Butyl acetate/ n-butyl acetate-saturated wetting solution |
| | | n.o.s., vapour pressure at 50°C not more than 110 kPa | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | specific n.o.s entry: is not sufficiently specified; pro- posed assignment: rule for collective entries |
| | | n.o.s., flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | specific n.o.s entry: is not sufficiently specified; pro- posed assignment: rule for collective entries |
| | Esters | n.o.s., vapour pres- sure at 50°C not more than 110 kPa | 3 | F1 | II | 3° | (b) | wetting solution | specific n.o.s entry: is not sufficiently specified; pro- posed assignment: rule for collective entries |
| 3272 | Esters | n.o.s., flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | n-Butyl acetate/ n-butyl acetate-saturated wetting solution | specific n.o.s entry: is not sufficiently specified; pro- posed assignment: rule for collective entries |
| 3291 | Clinical waste | unspecified, n.o.s., liquid | 6.2 | 13 | II | 4° | (b) | Water | |
| | Hydrocarbons | n.o.s., vapour pressure at 50°C not more than 110 kPa | 3 | F1 | II | 3° | (b) | Mixture of hydrocarbons | specific n.o.s entry: is not sufficiently specified; pro- posed assignment: rule for collective entries |
| 3295 | Hydrocarbons | liquid, n.o.s., flashpoint between 23 °C and 61 °C | 3 | F1 | III | 31° | (c) | Mixture of hydrocarbons | specific n.o.s entry: is not sufficiently specified; pro- posed assignment: rule for collective entries |