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Sub-section 6.1.6.2: New list of substances

**Proposal in connection with document OCTI/RID/GT-III/2002/1 (TRANS/WP.15/AC.1/2002/1)
Transmitted by Germany**

In document OCTI/RID/GT-III/2002/1 (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. In information paper INF. 26 the deficiencies of the existing list of substances are substantiated in detail and proposals are made for curing these deficiencies.

In this second information paper conclusions are drawn from the documents mentioned above: A new assimilation list is submitted which should replace the old list of substances in sub-section 6.1.6.2. For this purpose, the indicated deficiencies have been eliminated, and additional substances are included in the new list, of which the assignment to standard liquids can be proved by respective evidence. In addition, it has been deemed necessary to detail the procedure of the assignment of the filling substances to the standard liquids (assimilation) for the user. In this context a new "rule for collective entries" is proposed enabling the application of the new assimilation list for collective entries and mixtures of substances.

The following proposed amendment is essentially identical with Annex C of the draft standard prEN ISO/FDIS 16101:2000, *Packaging – Transport packaging for dangerous goods – Plastics compatibility testing*, which is prepared for public inquiry at present. It is intended to submit the standard after approval by CEN and ISO to the Joint Meeting to be taken into reference in RID/ADR. The

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.

provisions on the laboratory tests with standards liquids including the assimilation procedure using the assimilation list shall then be removed because they are part of the standard in full.

Taking account of the urgent need for amendments in the assimilation list on one hand and the uncontrollable timely needs to complete the standard it is preferred to amend the list now, even if it should be replaced by a reference to the standard at a later stage.

Proposal for a new list of substances (in this proposal termed as “assimilation list”):

New wording of paragraph 6.1.5.2.6:

For high molecular mass polyethylene drums and jerricans in accordance with 6.1.4.8 and if necessary composite packagings of high molecular mass polyethylene in accordance with 6.1.4.19, conforming to the following specifications:

- relative density at 23 C after thermal conditioning for one hour at 100 C ≥ 0.940 , in accordance with ISO Standard 1183,
- melt flow rate at 190 C/21.6 kg load ≤ 12 g/10 min, in accordance with ISO Standard 1133,

for jerricans in accordance with 6.1.4.8 of packing groups II and III and, if necessary, for composite packagings in accordance with 6.1.4.19 in average molecular mass polyethylene meeting the following specifications:

- relative density at 23° C after thermal conditioning for one hour at 100° C ≥ 0.940 , in accordance with ISO Standard 1183,
- melt flow rate at 190° C/2.160 kg load ≤ 0.5 g/10 min and ≥ 0.1 g/10 min, in accordance with ISO Standard 1133,
- melt flow rate at 190°C/5 kg load ≤ 3 g/10 min and ≥ 0.5 g/10 min, in accordance with ISO Standard 1133,

chemical compatibility may be verified in accordance with the procedure in section 6.1.6. The procedure in accordance with this paragraph also applies to high density, high or average molecular mass polyethylene packagings, the internal surface of which is fluorinated.

The sufficient chemical compatibility of these packaging design types may be verified by storage of the required test samples for three weeks at 40 °C with the appropriate standard liquid(s) (see 6.1.6.1); where this standard liquid is water, proof of chemical compatibility is not required.

For the first and last 24 hours of storage, the test samples shall be placed with the closure downwards. However, packagings fitted with a vent shall be so placed on each occasion for five minutes only. After this storage, the test samples shall undergo the tests prescribed in 6.1.5.3 to 6.1.5.6.

The compatibility test for tert-Butyl hydroperoxide with more than 40% peroxide content and peroxy-acetic acids of Class 5.2, shall not be carried out using standard liquids. For these substances, proof of sufficient chemical compatibility of the test samples shall be provided during a storage period of six months at ambient temperature with the substances they are intended to carry.

New wording of paragraph 6.1.5.2.7:

For drums and jerricans conforming to 6.1.4.8, and where necessary composite packagings conforming to 6.1.4.19, made of high or average molecular mass polyethylene, which have passed the test in 6.1.5.2.6, filling substances other than those which are assignable in 6.1.6.2.7 may also be approved. Such approval shall be based on laboratory tests proving that the effect of such filling substances on the test specimens is less than that of the standard liquids. The processes of deterioration to be taken into account shall be the following: softening through swelling, cracking under stress and molecular degradation. The same conditions as those set out in 6.1.6.2.1 shall apply with respect to relative density and vapour pressure.

New wording of section 6.1.6:

Standard liquids for verifying the chemical compatibility of high or average molecular mass polyethylene packagings in accordance with 6.1.5.2.6 and procedure of the assignment of substances and groups of substances to standard liquids

6.1.6.1 (wording unmodified))

New wording of sub-section 6.1.6.2:

Procedure of the assignment of substances and groups of substances to standard liquids:

When a packaging design-type has satisfied the approval tests with a standard liquid, filling substances may be accepted for carriage without further testing, provided the filling substances can be assigned to this/these standard liquid(s) in compliance with the conditions in this sub-section and provided the concerning type of packaging can be used in accordance with this provisions.

Note: Independent from the provisions of this section the use of packagings for a specific filling substance is regulated in chapter 3.2 table A in connection with the packing instructions in chapter 4.1.

6.1.6.2.1

The relative densities of the filling substances shall not exceed that used to determine the height for the drop test and the mass for the stacking test; the vapour pressures of the filling substances at 50 °C or 55 °C shall not exceed that used to determine the pressure for the internal pressure test.

*Example: UN 1736 Benzoyl chloride is assimilated to standard liquids "Mixture of hydrocarbons **and** wetting solution". Benzoyl chloride has a vapour pressure of 0.34 kPa at 50 °C and a density of approximately 1.2 kg/litres. Design type tests were frequently performed at the minimum required test level. In practice this means that the stacking test is performed with stacking loads considering a density of 1.0 for the mixture of hydrocarbons and a density of 1.2 for the wetting solution. As a consequence chemical compatibility of such tested design types would **not be proved for benzoyl chloride** by reason of the inadequate test level of the design type with the standard liquid "mixture of hydrocarbons. (Due to the fact that the inner hydraulic test pressure in the most cases is 100 kPa at the minimum, the vapour pressure of benzoyl chloride would be covered by such test level.)*

6.1.6.2.2

The chemical compatibility can be strongly influenced by **non-dangerous** components, e.g. wetting agents in detergents and disinfectants. Therefore, all components of a solution, mixture or preparation have to be included in the assimilation procedure. If not specifically provided in the assimilation list in 6.1.6.2.7 (see e.g. UN 1791 Hypochlorite, aqueous solution), the chemical compatibility for additional components in solutions or mixtures is not proved except for those cases as indicated in 6.1.6.2.5 and 6.1.6.2.6.

6.1.6.2.3

The correct classification of each dangerous filling substance intended for transport has to be carried out in accordance with the procedures and criteria of Part 2 (determination of the UN Number and packing group). If the determined UN Number with the respective packing group is not included in the assimilation list in 6.1.6.2.7, the concerning filling substance is not assigned to any standard liquid. In such case the chemical compatibility has to be proved by another way. This may be done by design type tests successfully performed with the concerning dangerous substance in accordance with 6.1.5.2.5 or by laboratory tests in accordance with 6.1.5.2.7.

6.1.6.2.4

For the assimilation of listed substances and groups of substances mentioned by name the following steps shall be made (see also the concerning simplified diagram of the assimilation procedure in 6.1.6.2.7 **figure 1**):

- a) Look for the UN number determined according to 6.1.6.2.3 in column 1 of the assimilation list in 6.1.6.2.7.

- b) If there is more than one entry of the concerning UN number in the assimilation list, select the correct row by means of the name, description and/or packing group given in column 2, 3 and 6. In doing so, select the row with the most corresponding name and description among the rows belonging to the concerning UN Number **and** packing group.
- c) If in the assimilation list no row of the concerning substance or group of substance mentioned by name is indicated among the rows of the selected UN Number **and** packing group, the correct row of the corresponding single entry or collective entry may be selected from the selected UN Number and packing group, if available.
Example: 3-Methyl-1-heptene is not indicated as a specific isomer mentioned by name among the entries of UN Number 1216 in the assimilation list. In such case the row with the name Isooctene may be selected, if the properties of the isomer are in accordance with the criteria of class 3. classification code F1 and packing group II even if the entry "isomeric mixture" is indicated in cell of the column "Description".
- d) If one standard liquid is indicated in column 7 of the selected row in the assimilation list, the proof of the chemical compatibility may be regarded as given, provided the concerning packaging design type is approved for that standard liquid in accordance with the requirements of 6.1.6.2.
- e) If more than one standard liquid is indicated in column 7 of the selected row in the assimilation list, the proof of the chemical compatibility may be regarded as given, provided the concerning packaging design type is approved for all indicated standard liquids in accordance with the requirements of 6.1.6.2 (see also example in 6.1.6.2.1).
- f) If the wording "Rule for collective entries" is indicated in column 7 of the selected row in the assimilation list, apply the rule for collective entries as described in 6.1.6.2.6.

6.1.6.2.5

Monophase aqueous solutions of substances and groups of substances assimilated to specific standard liquid(s) in accordance with 6.1.6.2.4 may also be assimilated to that/those standard liquid(s) provided the following conditions are met:

- the aqueous solution can be assigned to the same UN number as the listed substance in accordance with the criteria of 2.1.3.3, and
- the aqueous solution is not specifically mentioned by name otherwise in the assimilation list in 6.1.6.2.7, and
- no chemical reaction is taking place between the dangerous substance and the solvent water.

Example: Aqueous solutions of UN 1120 tert-Butanol may be assigned to the standard liquid acetic acid.

Reasons:

- *Pure tert-Butanol itself is assigned to the standard liquid acetic acid in the assimilation list.*
- *Aqueous solutions of tert-Butanol can be classified under the entry UN 1120 BUTANOLS in accordance with 2.1.3.3. because the aqueous solution of tert-Butanol does not differ from the entries of the pure substances relating to the class, the packing group(s) and the physical state. Furthermore, the entry 1120 BUTANOLS is not explicitly limited to the pure substances, and aqueous solutions of these substances are not specifically mentioned by name otherwise in chapter 3.2 table A.*
- *UN 1120 BUTANOLS do not react with water under normal conditions of transport.*

6.1.6.2.6

Rule for collective entries:

For the assimilation following steps shall be made (see also the concerning simplified diagram of the assimilation procedure in 6.1.6.2.7 **figure 2**):

- a) Carry out the assimilation procedure for each specific dangerous component of the concerning solution, mixture or preparation in accordance with 6.1.6.2.2 to 6.1.6.2.4 taking into account 6.1.6.2.1 In the case of generic entries those components may be neglected, which can be regarded as neutral relating to their damaging effects against PE-HD (e.g. solid pigments in UN 1263 PAINT or PAINT RELATED MATERIAL).
- b) An assignment to any standard liquid is **not** possible, if the UN Number and packing group of at least one dangerous component of the concerning solution, mixture or preparation is not included in the assimilation list in 6.1.6.2.7. In such case the chemical compatibility has to be proved by another way (see 6.1.6.2.3).

- c) With exemption of UN 2059 NITROCELLULOSE SOLUTION; FLAMMABLE an assignment to any standard liquid is **not** possible, if the classification code of at least one dangerous component differs from the classification code of the solution, mixture or preparation itself. In such case the chemical compatibility has to be proved by another way (see 6.1.6.2.3).
- d) An assignment to any standard liquid is **not** possible, if there is indicated in column 7 of the assimilation list of at least one of the selected rows for the dangerous components the “Rule for collective entries”. In such case the chemical compatibility has to be proved by another way (see 6.1.6.2.3).
- e) If in the assimilation list all selected rows of the different dangerous components have the **same** classification code in column 5 as the selected row of the solution, mixture or preparation itself, and if all dangerous components are assigned to the **same** standard liquid or the **same** combination of standard liquids indicated in column 7, the proof of the chemical compatibility may be regarded as given for the concerning solution, mixture or preparation, provided the concerning packaging design type is approved for the indicated standard liquid or indicated combination of standard liquids in accordance with the requirements of 6.1.6.2 (see also example in 6.1.6.2.1).
- f) If in the assimilation list all selected rows of the different dangerous components have the same classification code in column 5 as the selected row of the solution, mixture or preparation itself, and if the dangerous components are assigned to different standard liquids indicated in column 7, the proof of the chemical compatibility may be regarded as given for the concerning solution, mixture or preparation, provided one of the following combinations of standard liquids are met and the concerning packaging design type is approved for that indicated combination of standard liquids in accordance with the requirements of 6.1.6.2.
- water/nitric acid 55 %; with exemption of inorganic acids with the classification code C1 which are assigned to standard liquid water
 - water/wetting solution;
 - water/acetic acid;
 - water/mixture of hydrocarbons
 - water/n-butyl acetate – n-butyl acetate-saturated wetting solution.
- g) In the scope of this rule the chemical compatibility of solutions, mixtures and preparations is not regarded as proven for any other combination of standard liquids than those mentioned in 6.1.6.2.6 f). In such case the chemical compatibility has to be proved by another way (see 6.1.6.2.3).

Example 1: Mixture of UN 1940 THIOGLYIC ACID (50%) and UN 2531 METHACRYLIC ACID; STABILIZED (50%); classification of the mixture: UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

- Both the UN Numbers of the components and the UN Number of the mixture are included in the assimilation list.
- Both the components and the mixture have the same classification code: C3.
- For UN 1940 THIOGLYIC ACID there is indicated in column 7 of the assimilation list the standard liquid “acetic acid”, and for UN 2531 METHACRYLIC ACID; STABILIZED there is indicated the standard liquid “n-butyl acetate/n-butyl acetate-sat. wetting solution”. The paragraphs d) and e) of the rule mentioned above are not concerned, but according to the paragraphs f) and g) this is **not** an acceptable combination of standard liquid. The chemical compatibility of the mixture has to be proved by another way.

Example 2: Mixture of UN 1793 ISOPROPYL ACID PHOSPHATE (50%) and UN 1803 PHENOLSULPHONIC ACID, LIQUID (50%); classification of the mixture: UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

- Both the UN Numbers of the components and the UN Number of the mixture are included in the assimilation list.
- Both the components and the mixture have the same classification code: C3.
- For UN 1793 ISOPROPYL ACID PHOSPHATE there is indicated in column 7 of the assimilation list the standard liquid “wetting solution” and for UN 1803 PHENOLSULPHONIC ACID, LIQUID there is indicated the standard liquid “water”. The paragraphs d) and e) of the rule mentioned above are not concerned. According to the paragraph f) this is one of the acceptable combinations of standard liquids. As a consequence the proof of the chemical compatibility may be regarded as given for this mixture, provided the concerning packaging design type is approved for the standard liquids wetting solution and water in accordance with the requirements of 6.1.6.2.1.

6.1.6.2.7

In the assimilation list the dangerous substances are sorted in the order of their UN numbers. As a rule each row of the assimilation list deals with a dangerous substance, respective single entry or collective entry covered by a specific UN number. However, several consecutive rows may be used for the same UN number, if substances belonging to the same UN Number have different names (e.g. individual isomers of a group of substances), different chemical properties, different physical properties and/or different transport conditions. In such cases the single entry or collective entry (definition see under 2.1.1.2 and 2.1.2.4) within the particular packing group is the last one of such consecutive rows.

Each of the 7 columns of the assimilation list is dedicated to a specific subject as indicated in the explanatory notes below. The intersection of columns and rows contains information concerning the subject treated in that column, for the substance(s) of that row:

- the first six cells identify the substance(s) belonging to that row according to this provisions;
- the last cell gives information on the applicable assignment to the standard liquid(s), either as a definite information or as a reference to an assimilation procedure.

The applicable general requirements are not referred to in the corresponding cells.

Explanatory notes for each column:

Column 1 UN No.

This column contains the UN Number

- of the dangerous substance if the substance has been assigned to its own specific UN Number, or
- of the collective entry to which dangerous substances not listed by name have been assigned in accordance with the criteria ("decision trees") of Part 2.

Column 2 Name

This column contains the name of the substance, the name of the single entry which may cover various isomers or the name of the collective entry itself.

The indicated name can deviate from the applicable proper shipping name.

Column 3 Description

This column contains a descriptive text to clarify the scope of the entry in those cases when the classification, the transport conditions and/or the chemical compatibility of the substance may be variable.

Column 4 Class

This column contains the number of the Class, whose heading covers the dangerous substance. This Class number is assigned in accordance with the procedures and criteria of Part 2.

Column 5 Classification code

This column contains the classification code of the dangerous substance in accordance with the procedures and criteria of Part 2.

Column 6 Packing group

This column contains the packing group number (I, II or III) assigned to the dangerous substance. These packing group numbers are assigned on the basis of the procedures and criteria of Part 2. Certain substances are not assigned to packing groups.

Column 7 Standard Liquid

This column either contains one or more definite standard liquid(s) as defined in 6.1.6.1 assimilated to the substance or contains a reference to an assimilation procedure (see 6.1.6.2.6).

Figure 1: Diagram for the assignment of substances to standard liquids
(serves for support of the user; the wording of the paragraphs 6.1.6.2.1 to 6.1.6.2.5 has precedence in case of doubt)

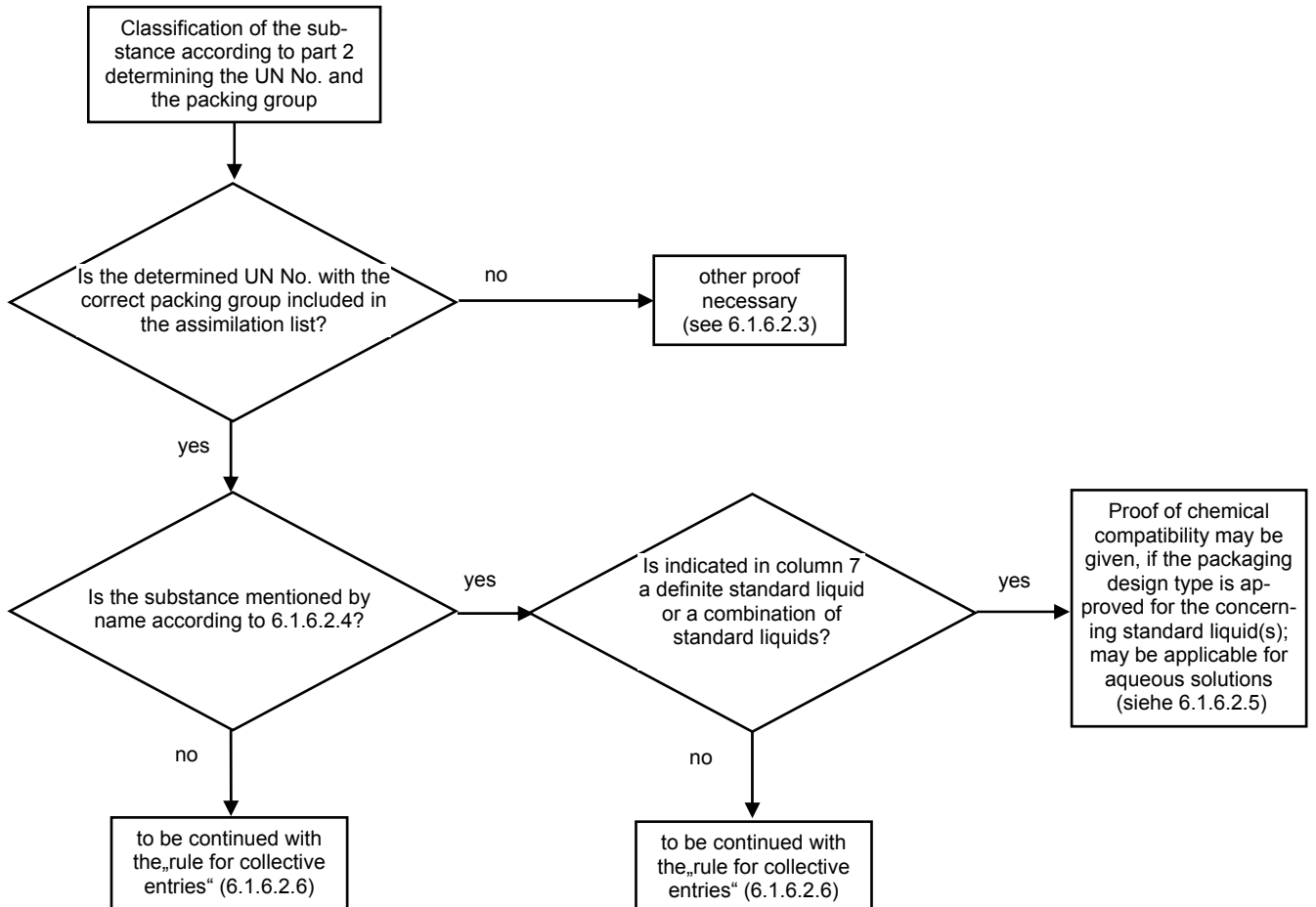
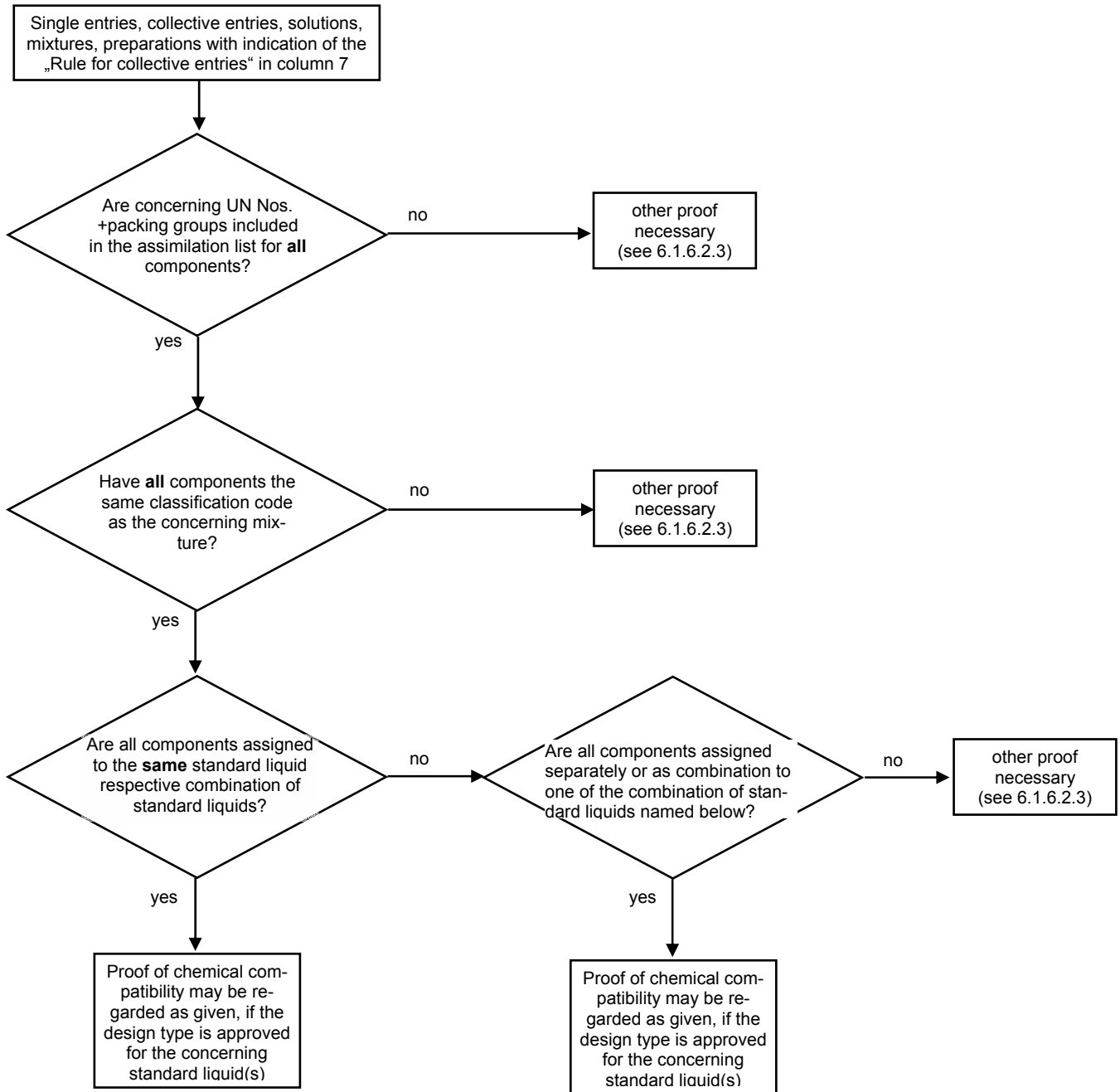


Figure 2: Diagram for the “Rule for collective entries”

(serves for support of the user; the wording of the paragraph 6.1.6.2.6 has precedence in case of doubt)



Acceptable combinations of standard liquids:

- water/nitric acid (55%), with exemption of inorganic acids of classification code C1 which are assigned to standard liquid water
- water/wetting solution
- water/acetic acid
- water/mixture of hydrocarbons
- water/n-butyl acetate – n-butyl acetate saturated wetting solution

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
1090	Acetone		3	F1	II	Mixture of hydrocarbons Remark: applicable only, if it is proved that the permeability of the substance out of the package intended for carriage has an acceptable level
1093	Acrylonitrile	stabilized	3	FT1	I	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1104	n-Amyl acetate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1104	sec-Amyl acetate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1104	Isoamyl acetate	mixture of 2- and 3-methylbutyl acetate	3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1104	Isoamyl acetate	pure	3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1104	Amyl acetates	isomeric mixture	3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1105	2-Methyl-2-butanol		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1105	Pentanols	synthetic isomeric mixture, flashpoint below 23°C	3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1105	n-Pentanol		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1105	2-Pentanol		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1105	3-Pentanol		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1105	Isoamyl alcohol	containing 2,2-Dimethyl-1-propanol	3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1105	2-Methyl-1-butanol	active alcohol of fermentation	3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1105	3-Methyl-1-butanol		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1105	3-Methyl-2-butanol		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1105	Pentanols	primary, mixture of 1-pentanol and 2-methyl-1-butanol	3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1105	Pentanols	synthetic isomeric mixture, flashpoint between 23°C and 61°C	3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1106	n-Amylamine		3	FC	II	Mixture of hydrocarbons and wetting solution
1106	2,2-Dimethyl-1-propylamine		3	FC	II	Mixture of hydrocarbons and wetting solution
1106	2-Methyl-2-butylamine		3	FC	II	Mixture of hydrocarbons and wetting solution
1106	2-Methylbutylamine		3	FC	II	Mixture of hydrocarbons and wetting solution

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
1106	3-Methylbutylamine		3	FC	II	Mixture of hydrocarbons and wetting solution
1106	3-Pentylamine		3	FC	II	Mixture of hydrocarbons and wetting solution
1106	Amylamines	isomeric mixture, flashpoint below 23°C	3	FC	II	Mixture of hydrocarbons and wetting solution
1106	sec-Amylamine		3	FC	III	Mixture of hydrocarbons and wetting solution
1106	Amylamines	isomeric mixture, flashpoint between 23°C and 61°C	3	FC	III	Mixture of hydrocarbons and wetting solution
1109	n-Amyl formate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1109	Isoamyl formate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1109	Amyl formates	isomeric mixture	3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1120	sec-Butanol		3	F1	II	Acetic acid
1120	tert-Butanol		3	F1	II	Acetic acid
1120	Butanols	isomeric mixture, flashpoint below 23°C	3	F1	II	Acetic acid
1120	n-Butanol		3	F1	III	Acetic acid
1120	sec-Butanol	flashpoint between 23°C and 35 °C	3	F1	III	Acetic acid
1120	Butanols	isomeric mixture, flashpoint between 23°C and 61°C	3	F1	III	Acetic acid
1123	sec-Butyl acetate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1123	tert-Butyl acetate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1123	Butyl acetates	isomeric mixture, flashpoint below 23°C	3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1123	n-Butyl acetate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1123	Butyl acetates	isomeric mixture, flashpoint between 23°C and 61°C	3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1125	n-Butylamine		3	FC	II	Mixture of hydrocarbons and wetting solution
1128	n-Butyl formate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1129	Butyraldehyde		3	F1	II	Mixture of hydrocarbons
1133	Adhesives containing flammable liquid	vapour pressure at 50°C more than 175 kPa	3	F1	I	Rule for collective entries
1133	Adhesives containing flammable liquid	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	I	Rule for collective entries
1133	Adhesives containing flammable liquid	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	II	Rule for collective entries
1133	Adhesives containing flammable liquid	vapour pressure at 50°C not more than 110 kPa	3	F1	II	Rule for collective entries
1133	Adhesives containing flammable liquid	flashpoint between 23°C and 61°C	3	F1	III	Rule for collective entries
1133	Adhesives containing flammable liquid	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C more than 175 kPa	3	F1	III	Rule for collective entries

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
1133	Adhesives containing flammable liquid	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	Rule for collective entries
1133	Adhesives containing flammable liquid	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C not more than 110 kPa	3	F1	III	Rule for collective entries
1136	Solvent naphtha heavy DIN 51633 - C10-Ar	flashpoint between 23°C and 61°C	3	F1	III	Mixture of hydrocarbons
1136	Solvent naphtha light DIN 51633 - C9-Ar		3	F1	III	Mixture of hydrocarbons
1139	Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining)	vapour pressure at 50°C more than 175 kPa	3	F1	I	Rule for collective entries
1139	Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining)	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	I	Rule for collective entries
1139	Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining)	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	II	Rule for collective entries
1139	Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining)	vapour pressure at 50°C not more than 110 kPa	3	F1	II	Rule for collective entries
1139	Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining)	flashpoint between 23°C and 61°C	3	F1	III	Rule for collective entries
1139	Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining)	having a flashpoint below 23°C and viscous according to 2.2.3.1.4 vapour pressure at 50°C more than 175 kPa	3	F1	III	Rule for collective entries
1139	Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining)	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	Rule for collective entries
1139	Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining)	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C not more than 110 kPa	3	F1	III	Rule for collective entries
1145	Cyclohexane		3	F1	II	Mixture of hydrocarbons
1146	Cyclopentane		3	F1	II	Mixture of hydrocarbons
1153	Ethylene glycol diethyl ether		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons
1154	Diethylamine		3	FC	II	Mixture of hydrocarbons and wetting solution
1158	Diisopropylamine		3	FC	II	Mixture of hydrocarbons and wetting solution
1160	Dimethylamine	aqueous solution	3	FC	II	Mixture of hydrocarbons and wetting solution
1165	Dioxane		3	F1	II	Mixture of hydrocarbons

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
1169	Extracts, aromatic, liquid	vapour pressure at 50°C more than 175 kPa	3	F1	I	Rule for collective entries
1169	Extracts, aromatic, liquid	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	I	Rule for collective entries
1169	Extracts, aromatic, liquid	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	II	Rule for collective entries
1169	Extracts, aromatic, liquid	vapour pressure at 50°C not more than 110 kPa	3	F1	II	Rule for collective entries
1169	Extracts, aromatic, liquid	flashpoint between 23°C and 61°C	3	F1	III	Rule for collective entries
1169	Extracts, aromatic, liquid	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C more than 175 kPa	3	F1	III	Rule for collective entries
1169	Extracts, aromatic, liquid	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	Rule for collective entries
1169	Extracts, aromatic, liquid	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C not more than 110 kPa	3	F1	III	Rule for collective entries
1170	Ethanol		3	F1	II	Acetic acid
1170	Ethanol	aqueous solution, flashpoint below 23°C	3	F1	II	Acetic acid
1170	Ethanol	aqueous solution containing more than 24% alcohol by volume, flashpoint between 23°C and 61°C	3	F1	III	Acetic acid
1171	Ethylene glycol monoethyl ether		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons
1172	Ethylene glycol monoethyl ether acetate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons
1173	Ethyl acetate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1177	2-Ethylbutyl acetate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1178	2-Ethylbutyraldehyde		3	F1	II	Mixture of hydrocarbons
1180	Ethyl butyrate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1188	Ethylene glycol monomethyl ether		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons
1189	Ethylene glycol monomethyl ether acetate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons
1190	Ethyl formate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1191	n-Octyl aldehyde		3	F1	III	Mixture of hydrocarbons
1191	2-Ethylhexaldehyde		3	F1	III	Mixture of hydrocarbons
1191	3-Ethylhexaldehyde		3	F1	III	Mixture of hydrocarbons
1191	Ethylhexaldehydes	isomeric mixture	3	F1	III	Mixture of hydrocarbons
1191	Isooctaldehyde		3	F1	III	Mixture of hydrocarbons
1191	Octyl aldehydes	isomeric mixture	3	F1	III	Mixture of hydrocarbons
1192	Ethyl lactate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
1195	Ethyl propionate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1197	Extracts, flavouring, liquid	vapour pressure at 50°C more than 175 kPa	3	F1	I	Rule for collective entries
1197	Extracts, flavouring, liquid	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	I	Rule for collective entries
1197	Extracts, flavouring, liquid	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	II	Rule for collective entries
1197	Extracts, flavouring, liquid	vapour pressure at 50°C not more than 110 kPa	3	F1	II	Rule for collective entries
1197	Extracts, flavouring, liquid	flashpoint between 23°C and 61°C	3	F1	III	Rule for collective entries
1197	Extracts, flavouring, liquid	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C more than 175 kPa	3	F1	III	Rule for collective entries
1197	Extracts, flavouring, liquid	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	Rule for collective entries
1197	Extracts, flavouring, liquid	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C not more than 110 kPa	3	F1	III	Rule for collective entries
1198	Formaldehyde	aqueous solution, flashpoint between 23°C and 61°C	3	FC	III	Acetic acid
1202	Diesel fuel	flashpoint not more than 100 °C	3	F1	III	Mixture of hydrocarbons
1202	Diesel fuel DIN EN 590		3	F1	III	Mixture of hydrocarbons
1202	Gas oil	flashpoint not more than 100 °C	3	F1	III	Mixture of hydrocarbons
1202	Heating oil, extra light		3	F1	III	Mixture of hydrocarbons
1202	Heating oil	flashpoint not more than 100 °C	3	F1	III	Mixture of hydrocarbons
1202	Heating oil, light		3	F1	III	Mixture of hydrocarbons
1203	Motor spirit	Super DIN 51600-S-leaded	3	F1	II	Mixture of hydrocarbons
1203	Motor spirit	Super Plus DIN EN 228, unleaded	3	F1	II	Mixture of hydrocarbons
1203	Motor spirit	Super DIN EN 228, unleaded	3	F1	II	Mixture of hydrocarbons
1203	Motor spirit	Normal DIN EN 228, unleaded	3	F1	II	Mixture of hydrocarbons
1206	n-Heptane		3	F1	II	Mixture of hydrocarbons
1206	2,2-Dimethylpentane		3	F1	II	Mixture of hydrocarbons
1206	2,3-Dimethylpentane		3	F1	II	Mixture of hydrocarbons
1206	2,4-Dimethylpentane		3	F1	II	Mixture of hydrocarbons
1206	2,2,3-Trimethylbutane		3	F1	II	Mixture of hydrocarbons
1206	3,3-Dimethylpentane		3	F1	II	Mixture of hydrocarbons
1206	3-Ethylpentane		3	F1	II	Mixture of hydrocarbons
1206	2-Methylhexane		3	F1	II	Mixture of hydrocarbons
1206	3-Methylhexane		3	F1	II	Mixture of hydrocarbons
1206	Heptanes	isomeric mixture, flashpoint below 23°C	3	F1	II	Mixture of hydrocarbons
1207	n-Hexaldehyde		3	F1	III	Mixture of hydrocarbons
1208	n-Hexane		3	F1	II	Mixture of hydrocarbons
1208	2,2-Dimethylbutane		3	F1	II	Mixture of hydrocarbons
1208	2-Methylpentane		3	F1	II	Mixture of hydrocarbons
1208	3-Methylpentane		3	F1	II	Mixture of hydrocarbons
1208	Hexanes	isomeric mixture	3	F1	II	Mixture of hydrocarbons
1210	Printing ink, flammable or Printing ink related material, flammable (including printing ink thinning or reducing compound)	vapour pressure at 50°C more than 175 kPa	3	F1	I	Rule for collective entries

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
1210	Printing ink, flammable or Printing ink related material, flammable (including printing ink thinning or reducing compound)	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	I	Rule for collective entries
1210	Printing ink, flammable or Printing ink related material, flammable (including printing ink thinning or reducing compound)	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	II	Rule for collective entries
1210	Printing ink, flammable or Printing ink related material, flammable (including printing ink thinning or reducing compound)	vapour pressure at 50°C not more than 110 kPa	3	F1	II	Rule for collective entries
1210	Printing ink, flammable or Printing ink related material, flammable (including printing ink thinning or reducing compound)	flashpoint between 23°C and 61°C	3	F1	III	Rule for collective entries
1210	Printing ink, flammable or Printing ink related material, flammable (including printing ink thinning or reducing compound)	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C more than 175 kPa	3	F1	III	Rule for collective entries
1210	Printing ink, flammable or Printing ink related material, flammable (including printing ink thinning or reducing compound)	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	Rule for collective entries
1210	Printing ink, flammable or Printing ink related material, flammable (including printing ink thinning or reducing compound)	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C not more than 110 kPa	3	F1	III	Rule for collective entries
1212	Isobutanol		3	F1	III	Acetic acid
1213	Isobutyl acetate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1214	Isobutylamine		3	FC	II	Mixture of hydrocarbons and wetting solution
1216	2,3-Dimethyl-2-hexene		3	F1	II	Mixture of hydrocarbons
1216	2,5-Dimethyl-2-hexene		3	F1	II	Mixture of hydrocarbons
1216	2-Ethyl-1-hexene		3	F1	II	Mixture of hydrocarbons
1216	2-Methyl-1-heptene		3	F1	II	Mixture of hydrocarbons
1216	2-Methyl-2-heptene		3	F1	II	Mixture of hydrocarbons
1216	2,3,4-Trimethyl-1-pentene		3	F1	II	Mixture of hydrocarbons
1216	3,4,4-Trimethyl-2-pentene		3	F1	II	Mixture of hydrocarbons
1216	Isooctenes	isomeric mixture	3	F1	II	Mixture of hydrocarbons
1219	Isopropanol		3	F1	II	Acetic acid
1220	Isopropyl acetate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1221	Isopropylamine		3	FC	I	Mixture of hydrocarbons and wetting solution
1223	Kerosene		3	F1	III	Mixture of hydrocarbons

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
1224	3,3-Dimethyl-2-butanone		3	F1	II	Mixture of hydrocarbons
1224	Ketones	liquid, n.o.s., vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	II	Rule for collective entries
1224	Ketones	liquid, n.o.s., vapour pressure at 50°C not more than 110 kPa	3	F1	II	Rule for collective entries
1224	Ketones	liquid, n.o.s., flashpoint between 23°C and 61°C	3	F1	III	Rule for collective entries
1230	Methanol		3	FT1	II	Acetic acid
1230	Methanol	aqueous solution, with more than 50% methanol	3	FT1	II	Acetic acid
1231	Methyl acetate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1233	Methylamyl acetate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1235	Methylamine	aqueous solution	3	FC	II	Mixture of hydrocarbons and wetting solution
1237	Methyl butyrate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1247	Methyl methacrylate	monomer, stabilized	3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1248	Methyl propionate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1262	n-Octane		3	F1	II	Mixture of hydrocarbons
1262	2,2-Dimethylhexane		3	F1	II	Mixture of hydrocarbons
1262	2,3-Dimethylhexane		3	F1	II	Mixture of hydrocarbons
1262	2,4-Dimethylhexane		3	F1	II	Mixture of hydrocarbons
1262	2,5-Dimethylhexane		3	F1	II	Mixture of hydrocarbons
1262	3,3-Dimethylhexane		3	F1	II	Mixture of hydrocarbons
1262	3,4-Dimethylhexane		3	F1	II	Mixture of hydrocarbons
1262	Isooctane		3	F1	II	Mixture of hydrocarbons
1262	2-Methyl-3-ethylpentane		3	F1	II	Mixture of hydrocarbons
1262	3-Methyl-3-ethylpentane		3	F1	II	Mixture of hydrocarbons
1262	2-Methylheptane		3	F1	II	Mixture of hydrocarbons
1262	3-Methylheptane		3	F1	II	Mixture of hydrocarbons
1262	4-Methylheptane		3	F1	II	Mixture of hydrocarbons
1262	3-Ethylhexane		3	F1	II	Mixture of hydrocarbons
1262	2,2,3-Trimethylpentane		3	F1	II	Mixture of hydrocarbons
1262	2,3,3-Trimethylpentane		3	F1	II	Mixture of hydrocarbons
1262	2,3,4-Trimethylpentane		3	F1	II	Mixture of hydrocarbons
1262	Octanes	isomeric mixture	3	F1	II	Mixture of hydrocarbons
1263	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or Paint related material (including paint thinning and reducing compound)	vapour pressure at 50°C more than 175 kPa	3	F1	I	Rule for collective entries
1263	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or Paint related material (including paint thinning and reducing compound)	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	I	Rule for collective entries

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
1263	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or Paint related material (including paint thinning and reducing compound)	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	II	Rule for collective entries
1263	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or Paint related material (including paint thinning and reducing compound)	vapour pressure at 50°C not more than 110 kPa	3	F1	II	Rule for collective entries
1263	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or Paint related material (including paint thinning and reducing compound)	flashpoint between 23°C and 61°C	3	F1	III	Rule for collective entries
1263	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or Paint related material (including paint thinning and reducing compound)	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C more than 175 kPa	3	F1	III	Rule for collective entries
1263	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or Paint related material (including paint thinning and reducing compound)	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	Rule for collective entries
1263	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or Paint related material (including paint thinning and reducing compound)	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C not more than 110 kPa	3	F1	III	Rule for collective entries
1265	n-Pentane		3	F1	II	Mixture of hydrocarbons
1266	Perfumery products with flammable solvents	vapour pressure at 50°C more than 175 kPa	3	F1	I	Rule for collective entries
1266	Perfumery products with flammable solvents	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	I	Rule for collective entries
1266	Perfumery products with flammable solvents	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	II	Rule for collective entries
1266	Perfumery products with flammable solvents	vapour pressure at 50°C not more than 110 kPa	3	F1	II	Rule for collective entries
1266	Perfumery products with flammable solvents	flashpoint between 23°C and 61°C	3	F1	III	Rule for collective entries
1266	Perfumery products with flammable solvents	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C more than 175 kPa	3	F1	III	Rule for collective entries
1266	Perfumery products with flammable solvents	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	Rule for collective entries

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
1266	Perfumery products with flammable solvents	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C not more than 110 kPa	3	F1	III	Rule for collective entries
1268	Petroleum distillates or Petroleum products	n.o.s., vapour pressure at 50°C more than 175 kPa	3	F1	I	Rule for collective entries
1268	Petroleum distillates or Petroleum products	n.o.s., vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	II	Rule for collective entries
1268	Coal tar naphtha	vapour pressure at 50°C not more than 110 kPa	3	F1	II	Mixture of hydrocarbons
1268	FAM-normal benzine	DIN 51635-A	3	F1	II	Mixture of hydrocarbons
1268	Safety lamp petroleum spirit	DIN 51634-A	3	F1	II	Mixture of hydrocarbons
1268	Special boiling point spirits	DIN 51631°-1-A	3	F1	II	Mixture of hydrocarbons
1268	Special boiling point spirits	DIN 51631°-1-B	3	F1	II	Mixture of hydrocarbons
1268	Special boiling point spirits	DIN 51631°-2-A	3	F1	II	Mixture of hydrocarbons
1268	Special boiling point spirits	DIN 51631°-2-B	3	F1	II	Mixture of hydrocarbons
1268	Special boiling point spirits	DIN 51631°-3	3	F1	II	Mixture of hydrocarbons
1268	Petroleum distillates or Petroleum products	n.o.s., vapour pressure at 50°C not more than 110 kPa	3	F1	II	Rule for collective entries
1268	Petroleum distillates or Petroleum products	n.o.s., flashpoint between 23°C and 61°C	3	F1	III	Rule for collective entries
1274	n-Propanol	pure	3	F1	II	Acetic acid
1274	n-Propanol	technical, flashpoint between 23°C and 61°C	3	F1	III	Acetic acid
1275	Propionaldehyde		3	F1	II	Mixture of hydrocarbons
1276	n-Propyl acetate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1277	n-Propylamine		3	FC	II	Mixture of hydrocarbons and wetting solution
1281	Isopropyl formate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1281	n-Propyl formate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1281	Propyl formates	isomeric mixture	3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1282	Pyridine	pure	3	F1	II	Mixture of hydrocarbons
1282	Pyridine	technical, with additions of Methylpyridines	3	F1	II	Mixture of hydrocarbons
1286	Rosin oil	vapour pressure at 50°C more than 175 kPa	3	F1	I	Rule for collective entries
1286	Rosin oil	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	I	Rule for collective entries
1286	Rosin oil	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	II	Rule for collective entries
1286	Rosin oil	vapour pressure at 50°C not more than 110 kPa	3	F1	II	Rule for collective entries
1286	Rosin oil	flashpoint between 23°C and 61°C	3	F1	III	Rule for collective entries
1286	Rosin oil	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C more than 175 kPa	3	F1	III	Rule for collective entries
1286	Rosin oil	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	Rule for collective entries
1286	Rosin oil	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C not more than 110 kPa	3	F1	III	Rule for collective entries

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
1287	Rubber solution	vapour pressure at 50°C more than 175 kPa	3	F1	I	Rule for collective entries
1287	Rubber solution	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	I	Rule for collective entries
1287	Rubber solution	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	II	Rule for collective entries
1287	Rubber solution	vapour pressure at 50°C not more than 110 kPa	3	F1	II	Rule for collective entries
1287	Rubber solution	flashpoint between 23°C and 61°C	3	F1	III	Rule for collective entries
1287	Rubber solution	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C more than 175 kPa	3	F1	III	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	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 not more than 110 kPa	3	F1	III	Rule for collective entries
1296	Triethylamine		3	FC	II	Mixture of hydrocarbons and wetting solution
1297	Trimethylamine	aqueous solution, not more than 50% trimethylamine, by mass	3	FC	I	Mixture of hydrocarbons and wetting solution
1297	Trimethylamine	aqueous solution, not more than 50% trimethylamine, by mass	3	FC	II	Mixture of hydrocarbons and wetting solution
1297	Trimethylamine	aqueous solution, not more than 50% trimethylamine, by mass	3	FC	III	Mixture of hydrocarbons and wetting solution
1301	Vinyl acetate	stabilized	3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1306	Wood preservatives, liquid	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	II	Rule for collective entries
1306	Wood preservatives, liquid	vapour pressure at 50°C not more than 110 kPa	3	F1	II	Rule for collective entries
1306	Wood preservatives, liquid	flashpoint between 23°C and 61°C	3	F1	III	Rule for collective entries
1306	Wood preservatives, liquid	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C more than 175 kPa	3	F1	III	Rule for collective entries
1306	Wood preservatives, liquid	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	Rule for collective entries
1306	Wood preservatives, liquid	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C not more than 110 kPa	3	F1	III	Rule for collective entries
1547	Aniline		6.1	T1	II	Acetic acid
1590	2,3-Dichloroaniline	liquid	6.1	T1	II	Acetic acid
1590	2,6-Dichloroaniline	liquid	6.1	T1	II	Acetic acid
1590	Dichloroanilines	isomeric mixture, liquid	6.1	T1	II	Acetic acid
1602	Dye or Dye intermediate	liquid, highly toxic, n.o.s., flashpoint more than 61 °C	6.1	T1	I	Rule for collective entries
1602	Dye or Dye intermediate	liquid, toxic, n.o.s., flashpoint more than 61 °C	6.1	T1	II	Rule for collective entries
1602	Dye or Dye intermediate	liquid, slightly toxic, n.o.s., flashpoint more than 61 °C	6.1	T1	III	Rule for collective entries
1604	Ethylenediamine		8	CF1	II	Mixture of hydrocarbons and wetting solution
1715	Acetic anhydride		8	CF1	II	Acetic acid

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
1717	Acetyl chloride		3	FC	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1718	Butyl acid phosphate		8	C3	III	Wetting solution
1719	Caustic alkali liquid	n.o.s., inorganic, flashpoint more than 61°C	8	C5	II	Rule for collective entries
1719	Hydrogen sulphides	aqueous solution	8	C5	III	Acetic acid
1719	Caustic alkali liquid	n.o.s., inorganic, flashpoint more than 61°C	8	C5	III	Rule for collective entries
1730	Antimony pentachloride	liquid, pure	8	C1	II	Water
1736	Benzoyl chloride		8	C3	II	Mixture of hydrocarbons and wetting solution
1750	Chloroacetic acid	aqueous solution	6.1	TC1	II	Acetic acid
1750	Chloroacetic acid	solution, mixtures of mono- and dichloroacetic acid	6.1	TC1	II	Acetic acid
1752	Chloroacetyl chloride		6.1	TC1	I	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1755	Chromic acid	aqueous solution with not more than 30% chromic acid, corrosive	8	C1	II	Nitric acid (55%)
1755	Chromic acid	aqueous solution with not more than 30% chromic acid, slightly corrosive	8	C1	III	Nitric acid (55%)
1760	Corrosive liquid	n.o.s., flashpoint more than 61°C, highly corrosive	8	C9	I	Rule for collective entries
1760	Cyanamide	aqueous solution with not more than 50% cyanamide	8	C9	II	Water
1760	O,O-Diethyl-dithiophosphoric acid		8	C9	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1760	O,O-Diisopropyl-dithiophosphoric acid		8	C9	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1760	O,O-Di-n-propyl-dithiophosphoric acid		8	C9	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1760	Corrosive liquid	n.o.s., flashpoint more than 61°C, corrosive	8	C9	II	Rule for collective entries
1760	Corrosive liquid	n.o.s., flashpoint more than 61°C, slightly corrosive	8	C9	III	Rule for collective entries
1761	Cupriethylenediamine	aqueous solution, corrosive	8	CT1	II	Mixture of hydrocarbons and wetting solution
1761	Cupriethylenediamine	aqueous solution, slightly corrosive	8	CT1	III	Mixture of hydrocarbons and wetting solution
1764	Dichloroacetic acid		8	C3	II	Acetic acid
1775	Fluoroboric acid	aqueous solution with not more than 50% fluoroboric acid	8	C1	II	Water
1778	Fluorosilicic acid		8	C1	II	Water
1779	Formic acid		8	C3	II	Acetic acid
1783	Hexamethylenediamine	aqueous solution, corrosive	8	C7	II	Mixture of hydrocarbons and wetting solution
1783	Hexamethylenediamine	aqueous solution, slightly corrosive	8	C7	III	Mixture of hydrocarbons and wetting solution
1787	Hydriodic acid	aqueous solution, corrosive	8	C1	II	Water
1787	Hydriodic acid	aqueous solution, slightly corrosive	8	C1	III	Water
1788	Hydrobromic acid	40% aqueous solution	8	C1	II	Water
1788	Hydrobromic acid	48% aqueous solution	8	C1	II	Water
1788	Hydrobromic acid	62% aqueous solution	8	C1	II	Water
1788	Hydrobromic acid	aqueous solution, corrosive	8	C1	II	Water
1788	Hydrobromic acid	aqueous solution, slightly corrosive	8	C1	III	Water
1789	Hydrochloric acid	not more than 38% aqueous solution, corrosive	8	C1	II	Water
1789	Hydrochloric acid	aqueous solution, slightly corrosive	8	C1	III	Water

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
1790	Hydrofluoric acid	with not more than 60% hydrofluoric acid	8	CT1	II	Water the permissible period of use: not more than 2 years
1791	Potassium hypochlorite	aqueous solution, corrosive	8	C9	II	Nitric acid (55%) *
1791	Sodium hypochlorite	aqueous solution, corrosive	8	C9	II	Nitric acid (55%) *
1791	Hypochlorite	aqueous solutions, corrosive, containing wetting agents as customary in trade	8	C9	II	Nitric acid (55%) and wetting solution *
1791	Hypochlorite	aqueous solution, corrosive	8	C9	II	Nitric acid (55%) *
1791	Potassium hypochlorite	aqueous solution, slightly corrosive	8	C9	III	Nitric acid (55%) *
1791	Sodium hypochlorite	aqueous solution, slightly corrosive	8	C9	III	Nitric acid (55%) *
1791	Hypochlorite	aqueous solutions, slightly corrosive, containing wetting agents as customary in trade	8	C9	III	Nitric acid (55%) and wetting solution *
1791	Hypochlorite	aqueous solution, slightly corrosive	8	C9	III	Nitric acid (55%) *
*) For UN 1791: Test to be carried out only with vent. If the test is carried out with nitric acid as the standard liquid, an acid-resistant vent and gasket shall be used. For hypochlorite solutions, vents and gaskets of the same design type, resistant to hypochlorite (e.g. of silicone rubber) but not resistant to nitric acid, are also permitted.						
1793	Isopropyl acid phosphate		8	C3	III	Wetting solution
1802	Perchloric acid	aqueous solution with not more than 50% acid, by mass	8	CO1	II	Water
1803	para-Phenolsulphonic acid	65% aqueous solution	8	C3	II	Water
1803	Phenolsulphonic acid	isomeric mixture, liquid	8	C3	II	Water
1805	Phosphoric acid	liquid	8	C1	III	Water
1814	Potassium hydroxide	aqueous solution, corrosive	8	C5	II	Water
1814	Potassium hydroxide	aqueous solution, slightly corrosive	8	C5	III	Water
1824	Sodium hydroxide	aqueous solution, corrosive	8	C5	II	Water
1824	Sodium hydroxide	aqueous solution, slightly corrosive	8	C5	III	Water
1830	Sulphuric acid	with more than 51% pure acid	8	C1	II	Water
1832	Sulphuric acid, spent	chemical stable	8	C1	II	Water
1833	Sulphurous acid		8	C1	II	Water
1835	Tetramethylammonium hydroxide	aqueous solution, flashpoint more than 61°C	8	C7	II	Water
1840	Zinc chloride	aqueous solution	8	C1	III	Water
1848	Propionic acid		8	C3	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1862	Ethyl crotonate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1863	Fuel, aviation, turbine engine	vapour pressure at 50°C more than 175 kPa	3	F1	I	Mixture of hydrocarbons
1863	Fuel, aviation, turbine engine	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	I	Mixture of hydrocarbons
1863	Fuel, aviation, turbine engine	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	II	Mixture of hydrocarbons
1863	Fuel, aviation, turbine engine	vapour pressure at 50°C not more than 110 kPa	3	F1	II	Mixture of hydrocarbons
1863	Fuel, aviation, turbine engine	flashpoint between 23°C and 61°C	3	F1	III	Mixture of hydrocarbons
1866	Resin solution, flammable	vapour pressure at 50°C more than 175 kPa	3	F1	I	Rule for collective entries
1866	Resin solution, flammable	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	I	Rule for collective entries
1866	Resin solution, flammable	vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	II	Rule for collective entries
1866	Resin solution, flammable	vapour pressure at 50°C not more than 110 kPa	3	F1	II	Rule for collective entries
1866	Resin solution, flammable	flashpoint between 23°C and 61°C	3	F1	III	Rule for collective entries
1866	Resin solution, flammable	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C more than 175 kPa	3	F1	III	Rule for collective entries

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
1866	Resin solution, flammable	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	Rule for collective entries
1866	Resin solution, flammable	having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C not more than 110 kPa	3	F1	III	Rule for collective entries
1902	Diisooctyl acid phosphate		8	C3	III	Wetting solution
1906	Sludge acid		8	C1	II	Nitric acid (55%)
1908	Sodium chlorite	aqueous solution, corrosive	8	C9	II	Acetic acid
1908	Chlorite	aqueous solutions, corrosive	8	C9	II	Acetic acid
1908	Sodium chlorite	aqueous solution, slightly corrosive	8	C9	III	Acetic acid
1908	Chlorite	aqueous solutions, slightly corrosive	8	C9	III	Acetic acid
1914	Butyl propionates		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1915	Cyclohexanone		3	F1	III	Mixture of hydrocarbons
1917	Ethyl acrylate	stabilized	3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1919	Methyl acrylate	stabilized	3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1920	n-Nonane		3	F1	III	Mixture of hydrocarbons
1920	2,3-Dimethylheptane		3	F1	III	Mixture of hydrocarbons
1920	2,5-Dimethylheptane		3	F1	III	Mixture of hydrocarbons
1920	3,4-Dimethylheptane		3	F1	III	Mixture of hydrocarbons
1920	3,5-Dimethylheptane		3	F1	III	Mixture of hydrocarbons
1920	4-Ethylheptane		3	F1	III	Mixture of hydrocarbons
1920	3-Ethyl-2-methylhexane		3	F1	III	Mixture of hydrocarbons
1920	3-Ethyl-3-methylhexane		3	F1	III	Mixture of hydrocarbons
1920	3-Ethyl-4-methylhexane		3	F1	III	Mixture of hydrocarbons
1920	2-Methyloctane		3	F1	III	Mixture of hydrocarbons
1920	3-Methyloctane		3	F1	III	Mixture of hydrocarbons
1920	4-Methyloctane		3	F1	III	Mixture of hydrocarbons
1920	2,3,3-Trimethylhexane		3	F1	III	Mixture of hydrocarbons
1920	2,3,4-Trimethylhexane		3	F1	III	Mixture of hydrocarbons
1920	3,3,4-Trimethylhexane		3	F1	III	Mixture of hydrocarbons
1920	Nonanes	isomeric mixture, flashpoint between 23°C and 61°C	3	F1	III	Mixture of hydrocarbons
1935	Cyanide solution	n.o.s., inorganic, highly toxic	6.1	T4	I	Water
1935	Cyanide solution	n.o.s., inorganic, toxic	6.1	T4	II	Water
1935	Cyanide solution	n.o.s., inorganic, slightly toxic	6.1	T4	III	Water
1940	Thioglycolic acid		8	C3	II	Acetic acid
1986	Alcohols, flammable, toxic	n.o.s.	3	FT1	I	Rule for collective entries
1986	Alcohols, flammable, toxic	n.o.s.	3	FT1	II	Rule for collective entries
1986	Alcohols, flammable, toxic	n.o.s., flashpoint between 23°C and 61°C, slightly toxic	3	FT1	III	Rule for collective entries
1987	Alcohols	n.o.s., vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	II	Rule for collective entries
1987	Alcohols	n.o.s., vapour pressure at 50°C not more than 110 kPa	3	F1	II	Rule for collective entries
1987	Cyclohexanol	technical pure	3	F1	III	Acetic acid
1987	Alcohols	n.o.s., flashpoint between 23°C and 61°C	3	F1	III	Rule for collective entries
1988	Aldehydes, flammable, toxic	n.o.s.	3	FT1	I	Rule for collective entries
1988	Aldehydes, flammable, toxic	n.o.s.	3	FT1	II	Rule for collective entries
1988	Aldehydes, flammable, toxic	n.o.s., flashpoint between 23°C and 61°C, slightly toxic	3	FT1	III	Rule for collective entries
1989	Aldehydes	n.o.s., vapour pressure at 50°C more than 175 kPa	3	F1	I	Rule for collective entries

UN No.	Name	Description	Class	Classification code	Packing Group	Standard Liquid
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1989	Aldehydes	n.o.s., vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	I	Rule for collective entries
1989	Aldehydes	n.o.s., vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	II	Rule for collective entries
1989	Aldehydes	n.o.s., vapour pressure at 50°C not more than 110 kPa	3	F1	II	Rule for collective entries
1989	Aldehydes	n.o.s., flashpoint between 23°C and 61°C	3	F1	III	Rule for collective entries
1992	Flammable liquid, toxic	n.o.s.	3	FT1	I	Rule for collective entries
1992	Flammable liquid, toxic	n.o.s.	3	FT1	II	Rule for collective entries
1992	2,6-cis-Dimethyl-morpholine		3	FT1	III	Mixture of hydrocarbons
1992	Flammable liquid, toxic	n.o.s., flashpoint between 23°C and 61°C, slightly toxic	3	FT1	III	Rule for collective entries
1993	Flammable liquid	n.o.s., vapour pressure at 50°C more than 175 kPa	3	F1	I	Rule for collective entries
1993	Flammable liquid	n.o.s., vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	I	Rule for collective entries
1993	Flammable liquid	n.o.s., vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	II	Rule for collective entries
1993	Propionic acid vinyl ester		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
1993	Flammable liquid	n.o.s., vapour pressure at 50°C not more than 110 kPa	3	F1	II	Rule for collective entries
1993	Flammable liquid	n.o.s., flashpoint between 23°C and 61°C	3	F1	III	Rule for collective entries
1993	Flammable liquid	n.o.s., having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C more than 175 kPa	3	F1	III	Rule for collective entries
1993	Flammable liquid	n.o.s., 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	Rule for collective entries
1993	Flammable liquid	n.o.s., having a flashpoint below 23°C and viscous according to 2.2.3.1.4, vapour pressure at 50°C not more than 110 kPa	3	F1	III	Rule for collective entries
2014	Hydrogen peroxide	aqueous solution, with not less than 20% but not more than 60% hydrogen peroxide, stabilized as necessary	5.1	OC1	II	Nitric acid (55%)
2022	Cresylic acid	liquid mixture containing cresols, xyenols and methyl phenols	6.1	TC1	II	Acetic acid
2030	Hydrazine	aqueous solution with not less than 37% but not more than 64% hydrazine, by mass	8	CT1	II	Water
2030	Hydrazine hydrate	aqueous solution with 64% hydrazine	8	CT1	II	Water
2031	Nitric acid	other than red fuming, with not more than 55% pure acid	8	CO1	II	Nitric acid (55%)
2045	Isobutyraldehyde		3	F1	II	Mixture of hydrocarbons
2050	Diisobutylene	isomeric compounds	3	F1	II	Mixture of hydrocarbons
2053	Methyl isobutyl carbinol		3	F1	III	Acetic acid
2054	Morpholine		3	CF1	I	Mixture of hydrocarbons
2057	Tripropylene	flashpoint below 23°C	3	F1	II	Mixture of hydrocarbons
2057	Tripropylene	flashpoint between 23°C and 61°C	3	F1	III	Mixture of hydrocarbons
2058	2,2-Dimethylpropanal		3	F1	II	Mixture of hydrocarbons
2058	Isovaleraldehyde		3	F1	II	Mixture of hydrocarbons
2058	2-Methylbutanal		3	F1	II	Mixture of hydrocarbons
2058	n-Valeraldehyde		3	F1	II	Mixture of hydrocarbons
2058	Valeraldehydes	isomeric mixture	3	F1	II	Mixture of hydrocarbons

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
2059	Nitrocellulose solution, flammable	with not more than 12.6% nitrogen, by dry mass, and not more than 55 % nitrocellulose, vapour pressure at 50°C more than 175 kPa	3	D	I	Rule for collective entries: Deviating from the general procedure this rule may be applied to solvents of classification code F1
2059	Nitrocellulose solution, flammable	with not more than 12.6% nitrogen, by dry mass, and not more than 55 % nitrocellulose, vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	D	I	Rule for collective entries: Deviating from the general procedure this rule may be applied to solvents of classification code F1
2059	Nitrocellulose solution, flammable	with not more than 12.6% nitrogen, by dry mass, and not more than 55 % nitrocellulose, vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	D	II	Rule for collective entries: Deviating from the general procedure this rule may be applied to solvents of classification code F1
2059	Nitrocellulose solution, flammable	with not more than 12.6% nitrogen, by dry mass, and not more than 55 % nitrocellulose, vapour pressure at 50°C not more than 110 kPa	3	D	II	Rule for collective entries: Deviating from the general procedure this rule may be applied to solvents of classification code F1
2059	Nitrocellulose solution, flammable	with not more than 12.6% nitrogen, by dry mass, and not more than 55 % nitrocellulose, flashpoint between 23°C and 61°C	3	D	III	Rule for collective entries: Deviating from the general procedure this rule may be applied to solvents of classification code F1
2075	Chloral	anhydrous, stabilized	6.1	T1	II	Wetting solution
2076	meta-Cresol	liquid	6.1	TC1	II	Acetic acid
2076	ortho-Cresol	liquid	6.1	TC1	II	Acetic acid
2076	para-Cresol	liquid	6.1	TC1	II	Acetic acid
2076	Cresols	isomeric mixture, liquid	6.1	TC1	II	Acetic acid
2078	Toluene diisocyanate	liquid	6.1	T1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2079	Diethylenetriamine		8	C7	II	Mixture of hydrocarbons
2209	Formaldehyde	aqueous solution with 37% Formaldehyde, methanol content: 8-10%	8	C9	III	Acetic acid
2209	Formaldehyde	aqueous solution, with not less than 25% formaldehyde	8	C9	III	Water
2218	Acrylic acid	stabilized	8	CF1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2227	n-Butyl methacrylate	stabilized	3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2235	para-Chlorobenzyl chloride	liquid	6.1	T2	III	Mixture of hydrocarbons
2241	Cycloheptane		3	F1	II	Mixture of hydrocarbons
2242	Cycloheptene		3	F1	II	Mixture of hydrocarbons
2243	Cyclohexyl acetate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2244	Cyclopentanol		3	F1	III	Acetic acid
2245	Cyclopentanone		3	F1	III	Mixture of hydrocarbons
2247	n-Decane		3	F1	III	Mixture of hydrocarbons
2248	Di-n-butylamine		8	CF1	II	Mixture of hydrocarbons
2258	1,2-Propylenediamine		8	CF1	II	Mixture of hydrocarbons and wetting solution
2259	Triethylenetetramine		8	C7	II	Water
2260	Tripropylamine		3	FC	III	Mixture of hydrocarbons and wetting solution
2263	1,1-Dimethyl-cyclohexane		3	F1	II	Mixture of hydrocarbons
2263	cis-1,2-Dimethyl-cyclohexane		3	F1	II	Mixture of hydrocarbons
2263	trans-1,2-Dimethyl-cyclohexane		3	F1	II	Mixture of hydrocarbons
2263	1,2-Dimethyl-cyclohexane	cis/trans-mixture	3	F1	II	Mixture of hydrocarbons

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
2263	cis-1,3-Dimethyl-cyclohexane		3	F1	II	Mixture of hydrocarbons
2263	trans-1,3-Dimethyl-cyclohexane		3	F1	II	Mixture of hydrocarbons
2263	1,3-Dimethyl-cyclohexane	cis/trans-mixture	3	F1	II	Mixture of hydrocarbons
2263	cis-1,4-Dimethyl-cyclohexane		3	F1	II	Mixture of hydrocarbons
2263	trans-1,4-Dimethyl-cyclohexane		3	F1	II	Mixture of hydrocarbons
2263	1,4-Dimethyl-cyclohexane	cis/trans - mixture	3	F1	II	Mixture of hydrocarbons
2263	Dimethylcyclohexanes	isomeric mixture	3	F1	II	Mixture of hydrocarbons
2264	N,N-Dimethyl-cyclohexylamine		8	CF1	II	Mixture of hydrocarbons and wetting solution
2265	N,N-Dimethyl-formamide		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2266	Dimethyl-N-propylamine		3	FC	II	Mixture of hydrocarbons and wetting solution
2269	3,3'-Imino-dipropylamine		8	C7	III	Mixture of hydrocarbons and wetting solution
2270	Ethylamine	aqueous solution, with not less than 50% but not more than 70% ethylamine, flashpoint between 23 °C and 61 °C, corrosive or slightly corrosive	3	FC	II	Mixture of hydrocarbons and wetting solution
2275	2-Ethylbutanol		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2276	2-Ethylhexylamine		3	FC	III	Mixture of hydrocarbons and wetting solution
2277	Ethyl methacrylate	stabilized	3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2278	n-Heptene		3	F1	II	Mixture of hydrocarbons
2282	n-Hexanol	technical	3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2282	2-Hexanol		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2282	3-Hexanol		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2282	2,3-Dimethyl-2-butanol		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2282	3,3-Dimethyl-1-butanol		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2282	3,3-Dimethyl-2-butanol		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2282	2-Methyl-1-pentanol		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2282	2-Methyl-3-pentanol		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2282	3-Methyl-1-pentanol		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2282	3-Methyl-2-pentanol		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
2282	3-Methyl-3-pentanol		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2282	4-Methyl-1-pentanol		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2282	Hexanols	isomeric mixtures	3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2283	Isobutyl methacrylate	stabilized	3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2286	Pentamethylheptane		3	F1	III	Mixture of hydrocarbons
2287	Isoheptene		3	F1	II	Mixture of hydrocarbons
2288	Isohexene		3	F1	II	Mixture of hydrocarbons
2289	Isophoronediamine		8	C7	III	Mixture of hydrocarbons and wetting solution
2293	4-Methoxy-4-methyl- pentan-2-one		3	F1	III	Mixture of hydrocarbons
2296	Methylcyclohexane		3	F1	II	Mixture of hydrocarbons
2297	2-Methylcyclohexanone		3	F1	III	Mixture of hydrocarbons
2297	3-Methylcyclohexanone		3	F1	III	Mixture of hydrocarbons
2297	4-Methylcyclohexanone		3	F1	III	Mixture of hydrocarbons
2297	Methylcyclohexanones	isomeric mixture	3	F1	III	Mixture of hydrocarbons
2298	Methylcyclopentane		3	F1	II	Mixture of hydrocarbons
2302	5-Methylhexan-2-one		3	F1	III	Mixture of hydrocarbons
2308	Nitrosylsulphuric acid	liquid	8	C1	II	Water
2309	Octadiene		3	F1	II	Mixture of hydrocarbons
2313	alpha-Picoline		3	F1	III	Mixture of hydrocarbons
2313	beta-Picoline		3	F1	III	Mixture of hydrocarbons
2313	gamma-Picoline		3	F1	III	Mixture of hydrocarbons
2313	Picolines	isomeric mixture	3	F1	III	Mixture of hydrocarbons
2317	Sodium cuprocyanide	aqueous solution	6.1	T4	I	Water
2320	Tetraethylene-pentamine		8	C7	III	Mixture of hydrocarbons and wetting solution
2324	Triisobutylene	mixture of C12-monoolefines, flash- point between 23°C and 61°C	3	F1	III	Mixture of hydrocarbons
2326	Trimethylcyclohexylamine		8	C7	III	Mixture of hydrocarbons and wetting solution
2327	2,2,4-Trimethyl- hexamethylenediamine		8	C7	III	Mixture of hydrocarbons and wetting solution
2327	Trimethylhexa- methylenediamines	isomeric mixture	8	C7	III	Mixture of hydrocarbons and wetting solution
2330	Undecane		3	F1	III	Mixture of hydrocarbons
2336	Allyl formate		3	FT1	I	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2348	Butyl acrylates	stabilized	3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2357	Cyclohexylamine	flashpoint not less than 23°C	8	CF1	II	Mixture of hydrocarbons and wetting solution
2361	Diisobutylamine		3	FC	III	Mixture of hydrocarbons and wetting solution
2366	Diethyl carbonate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2367	alpha-Methylvaleraldehyde		3	F1	II	Mixture of hydrocarbons
2370	1-Hexene		3	F1	II	Mixture of hydrocarbons

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
2372	1,2-Di-(dimethylamino)-ethane		3	F1	II	Mixture of hydrocarbons and wetting solution
2379	1,3-Dimethylbutylamine		3	FC	II	Mixture of hydrocarbons and wetting solution
2383	Dipropylamine		3	FC	II	Mixture of hydrocarbons and wetting solution
2385	Ethyl isobutyrate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2393	Isobutyl formate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2394	Isobutyl propionate	flashpoint between 23°C and 61°C	3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2396	Methacrylaldehyde	stabilized	3	FT1	II	Mixture of hydrocarbons
2400	Methyl isovalerate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2401	Piperidine		8	CF1	I	Mixture of hydrocarbons and wetting solution
2403	Isopropenyl acetate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2405	Isopropyl butyrate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2406	Isopropyl isobutyrate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2409	Isopropyl propionate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2410	1,2,3,6-Tetrahydropyridine		3	F1	II	Mixture of hydrocarbons
2427	Potassium chlorate	aqueous solution, oxidizing	5.1	O1	II	Water
2427	Potassium chlorate	aqueous solution, slightly oxidizing	5.1	O1	III	Water
2428	Sodium chlorate	aqueous solution, oxidizing	5.1	O1	II	Water
2428	Sodium chlorate	aqueous solution, slightly oxidizing	5.1	O1	III	Water
2429	Calcium chlorate	aqueous solution, oxidizing	5.1	O1	II	Water
2429	Calcium chlorate	aqueous solution, slightly oxidizing	5.1	O1	III	Water
2436	Thioacetic acid		3	F1	II	Acetic acid
2457	2,3-Dimethylbutane		3	F1	II	Mixture of hydrocarbons
2491	Ethanolamine		8	C7	III	Wetting solution
2491	Ethanolamine	aqueous solution	8	C7	III	Wetting solution
2496	Propionic anhydride		8	C3	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2524	Ethyl orthoformate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2526	Furfurylamine		3	FC	III	Mixture of hydrocarbons and wetting solution
2527	Isobutyl acrylate	stabilized	3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2528	Isobutyl isobutyrate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2529	Isobutyric acid		3	FC	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
2531	Methacrylic acid	stabilized	8	C3	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2542	Tributylamine		6.1	T1	II	Mixture of hydrocarbons
2560	2-Methylpentan-2-ol		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2564	Trichloroacetic acid	aqueous solution, corrosive	8	C3	II	Acetic acid
2564	Trichloroacetic acid	aqueous solution, slightly corrosive	8	C3	III	Acetic acid
2565	Dicyclohexylamine		8	C7	III	Mixture of hydrocarbons and wetting solution
2571	Ethylsulphuric acid		8	C3	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution and Water
2571	Alkylsulphuric acids		8	C3	II	Rule for collective entries
2580	Aluminium bromide	aqueous solutions	8	C1	III	Water
2581	Aluminium chloride	aqueous solutions	8	C1	III	Water
2582	Ferric chloride	aqueous solution	8	C1	III	Water
2584	Methane sulphonic acid	with more than 5% free sulphuric acid, liquid	8	C1	II	Water
2584	Alkylsulphonic acids	liquid, with more than 5% free sulphuric acid	8	C1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution and Water
2584	Benzene sulphonic acid	with more than 5% free sulphuric acid, liquid	8	C1	II	Water
2584	Dodecylbenzene sulphonic acid	with more than 5% free sulphuric acid, liquid	8	C1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution and Water
2584	para-Toluene sulphonic acid	liquid, with more than 5% free sulphuric acid	8	C1	II	Water
2584	Toluene sulphonic acids	liquid, with more than 5% free sulphuric acid	8	C1	II	Water
2584	Arylsulphonic acids	liquid, with more than 5% free sulphuric acid	8	C1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution and Water
2586	Methane sulfonic acid	with not more than 5% free sulphuric acid, liquid	8	C1	III	Water
2586	Alkylsulphonic acids	liquid, with not more than 5% free sulphuric acid	8	C1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution and Water
2586	Benzene sulphonic acid	with not more than 5% free sulphuric acid, liquid*	8	C1	III	Water
2586	Dodecylbenzene sulphonic acid	with not more than 5% sulphuric acid	8	C1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution and Water
2586	para-Toluene sulphonic acid	with not more than 5% free sulphuric acid, liquid*	8	C1	III	Water
2586	Toluene sulphonic acids	liquid, with not more than 5% free sulphuric acid	8	C1	III	Water
2586	Arylsulphonic acids	liquid, with not more than 5% free sulphuric acid	8	C1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution and Water

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
2610	Triallylamine		3	FC	III	Mixture of hydrocarbons and wetting solution
2614	Methallyl alcohol		3	F1	III	Acetic acid
2617	2-Methylcyclohexanol	cis/trans-mixture, flashpoint between 23°C and 61°C	3	F1	III	Acetic acid
2617	cis-2-Methyl-cyclohexanol		3	F1	III	Acetic acid
2617	trans-2-Methyl-cyclohexanol		3	F1	III	Acetic acid
2617	Methylcyclohexanols	isomeric mixture, flashpoint between 23°C and 61°C	3	F1	III	Acetic acid
2619	Benzyl dimethylamine		8	CF1	II	Mixture of hydrocarbons and wetting solution
2620	n-Amyl butyrate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2620	iso-Amyl butyrate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2620	tert-Amyl butyrate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2620	Isoamyl butyrate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2620	Amyl butyrates	isomeric mixture, flashpoint between 23°C and 61°C	3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2622	Glycidaldehyde	flashpoint below 23° C	3	FT1	II	Mixture of hydrocarbons
2626	Chloric acid	aqueous solution with not more than 10% chloric acid	5.1	O1	II	Nitric acid (55%)
2656	Quinoline	flashpoint more than 61°C	6.1	T1	III	Water
2672	Ammonia solution	relative density between 0.880 and 0.957 at 15 °C in water, with more than 10% but not more than 35% ammonia	8	C5	III	Water
2683	Ammonium sulphide	aqueous solution, flashpoint between 23°C and 61°C	8	CFT	II	Acetic acid
2684	Diethylaminopropylamine		3	FC	III	Mixture of hydrocarbons and wetting solution
2685	N,N-Diethylethylenediamine		8	CF1	II	Mixture of hydrocarbons and wetting solution
2693	Ammonium bisulphite	aqueous solution with not more than 42% ammonium bisulphite	8	C1	III	Water
2693	Calcium bisulphite	aqueous solution	8	C1	III	Water
2693	Magnesium bisulphite	aqueous solution	8	C1	III	Water
2693	Potassium bisulphite	aqueous solution	8	C1	III	Water
2693	Sodium bisulphite	aqueous solution with not more than 22% sodium bisulphite	8	C1	III	Water
2693	Zinc bisulphite	aqueous solution	8	C1	III	Water
2693	Bisulphites	aqueous solution, n.o.s., inorganic	8	C1	III	Water
2707	2,5-Dimethyl-1,4-dioxane		3	F1	II	Mixture of hydrocarbons
2707	Dimethyldioxanes	flashpoint below 23°C	3	F1	II	Mixture of hydrocarbons
2707	4,4-Dimethyl-1,3-dioxane		3	F1	II	Mixture of hydrocarbons
2707	Dimethyldioxanes	flashpoint between 23°C and 61°C	3	F1	III	Mixture of hydrocarbons
2733	Dimethylamine	aqueous solution, flashpoint below 23°C, boiling point not more than 35 °C, vapour pressure at 50 °C not more than 3 bar	3	FC	I	Mixture of hydrocarbons and wetting solution
2733	Methylamine	aqueous solution, flashpoint below 23°C, boiling point not more than 35 °C, vapour pressure at 50 °C not more than 3 bar	3	FC	I	Mixture of hydrocarbons and wetting solution

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
2733	Trimethylamine	aqueous solution, containing more than 50% trimethylamine by mass, vapour pressure at 50 °C not more than 3 bar	3	FC	I	Mixture of hydrocarbons and wetting solution
2733	Amines, flammable, corrosive or Polyamines, flammable, corrosive	n.o.s., flashpoint below 23°C	3	FC	I	Rule for collective entries
2733	Cyclohexylamine	flashpoint below 23°C	3	FC	II	Mixture of hydrocarbons and wetting solution
2733	N,N-Dimethylethylamine		3	FC	II	Mixture of hydrocarbons and wetting solution
2733	N,N-Dimethylisopropylamine		3	FC	II	Mixture of hydrocarbons and wetting solution
2733	N-Ethylbutylamine		3	FC	II	Mixture of hydrocarbons and wetting solution
2733	n-Hexylamine	flashpoint below 23°C	3	FC	II	Mixture of hydrocarbons and wetting solution
2733	3-Methyl-2-butylamine		3	FC	II	Mixture of hydrocarbons and wetting solution
2733	Amines, flammable, corrosive or Polyamines, flammable, corrosive	n.o.s., flashpoint below 23°C	3	FC	II	Mixture of hydrocarbons and wetting solution
2733	3-Dimethylamino-propylamine	flashpoint between 23°C and 61°C	3	FC	III	Mixture of hydrocarbons and wetting solution
2733	Amines, flammable, corrosive or Polyamines, flammable, corrosive	n.o.s., flashpoint between 23 °C and 61 °C, slightly corrosive	3	FC	III	Mixture of hydrocarbons and wetting solution
2734	3-Methoxy-1-propanamine		8	CF1	I	Mixture of hydrocarbons and wetting solution
2734	Amines, liquid, corrosive, flammable or Polyamines, liquid, corrosive, flammable	n.o.s., highly corrosive, flashpoint not more than 61 °C	8	CF1	I	Mixture of hydrocarbons and wetting solution
2734	Di-sec-butylamine		8	CF1	II	Mixture of hydrocarbons
2734	Ethylamine	aqueous solution, not more than 50% ethylamine by mass, flashpoint between 23°C and 61°C	8	CF1	II	Mixture of hydrocarbons and wetting solution
2734	N-Ethylcyclohexylamine		8	CF1	II	Mixture of hydrocarbons and wetting solution
2734	n-Hexylamine	flashpoint between 23°C and 61°C	8	CF1	II	Mixture of hydrocarbons and wetting solution
2734	1,3-Propylenediamine		8	CF1	II	Mixture of hydrocarbons and wetting solution
2734	Amines, liquid, corrosive, flammable or Polyamines, liquid, corrosive, flammable	n.o.s., corrosive, flashpoint between 23 °C and 61 °C	8	CF1	II	Mixture of hydrocarbons and wetting solution

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
2735	N-Cyclohexyl-1,3-propanediamine		8	C7	I	Mixture of hydrocarbons and wetting solution
2735	4,4'-Methylene bis-(2-methyl-cyclohexylamine)		8	C7	I	Mixture of hydrocarbons and wetting solution
2735	Amines, liquid, corrosive, or Polyamines, liquid, corrosive	n.o.s., flashpoint more than 61°C, highly corrosive	8	C7	I	Mixture of hydrocarbons and wetting solution
2735	N,N'-Bis-(3-aminopropyl)-ethylenediamine		8	C7	II	Mixture of hydrocarbons and wetting solution
2735	N,N'-Di-sec-butyl-para-phenylenediamine		8	C7	II	Mixture of hydrocarbons and wetting solution
2735	Dimethylstearylamine		8	C7	II	Mixture of hydrocarbons and wetting solution
2735	N,N-Dimethylalkylamines	isomeric mixture of C12- and C14-alkyles	8	C7	II	Mixture of hydrocarbons and wetting solution
2735	Amines, liquid, corrosive, or Polyamines, liquid, corrosive	n.o.s., flashpoint more than 61°C, corrosive	8	C7	II	Mixture of hydrocarbons and wetting solution
2735	Benzylamine	flashpoint more than 61°C	8	C7	III	Mixture of hydrocarbons and wetting solution
2735	N,N-Diisopropyl-ethanolamine		8	C7	III	Mixture of hydrocarbons and wetting solution
2735	Piperazine	aqueous solution	8	C7	III	Mixture of hydrocarbons and wetting solution
2735	Amines, liquid, corrosive, or Polyamines, liquid, corrosive	n.o.s., flashpoint more than 61°C, slightly corrosive	8	C7	III	Mixture of hydrocarbons and wetting solution
2739	Butyric anhydride		8	C3	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2789	Acetic acid	glacial or aqueous solution, more than 80% acid, by mass	8	CF1	II	Acetic acid
2790	Acetic acid	aqueous solution, not less than 50% but not more than 80% acid, by mass	8	C3	II	Acetic acid
2790	Acetic acid	aqueous solution, more than 10% and less than 50% acid, by mass	8	C3	III	Acetic acid
2796	Sulphuric acid	with not more than 51% pure acid	8	C1	II	Water
2797	Battery fluid	alkali, Potassium/Sodium hydroxide, aqueous solution	8	C5	II	Water
2810	Toxic liquid, organic	n.o.s., highly toxic	6.1	T1	I	Rule for collective entries
2810	Toxic liquid, organic	n.o.s., toxic	6.1	T1	II	Rule for collective entries
2810	2-Chloro-6-fluorobenzyl chloride	stabilized	6.1	T1	III	Mixture of hydrocarbons
2810	2-Phenylethanol		6.1	T1	III	Acetic acid
2810	Ethylene glycol monoethyl ether		6.1	T1	III	Acetic acid
2810	Toxic liquid, organic	n.o.s., slightly toxic	6.1	T1	III	Rule for collective entries
2815	N-Aminoethylpiperazine		8	C7	III	Mixture of hydrocarbons and wetting solution
2818	Ammonium polysulphide	aqueous solution, corrosive	8	CT1	II	Acetic acid
2818	Ammonium polysulphide	aqueous solution, slightly corrosive	8	CT1	III	Acetic acid
2819	Amyl acid phosphate		8	C3	III	Wetting solution
2820	n-Butyric acid		8	C3	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2821	Phenol	aqueous solution, toxic, non-alkaline	6.1	T1	II	Acetic acid

UN No.	Name	Description	Class	Classification code	Packing Group	Standard Liquid
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2821	Phenol	aqueous solution, slightly toxic, non alkaline	6.1	T1	III	Acetic acid
2829	n-Caproic acid		8	C3	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2837	Ammonium bisulphate	aqueous solution, corrosive	8	C1	II	Water
2837	Potassium bisulphate	aqueous solution, corrosive	8	C1	II	Water
2837	Sodium bisulphate	aqueous solution, corrosive	8	C1	II	Water
2837	Bisulphates	aqueous solution, corrosive	8	C1	II	Water
2837	Ammonium bisulphate	aqueous solution, slightly corrosive	8	C1	III	Water
2837	Potassium bisulphate	aqueous solution, slightly corrosive	8	C1	III	Water
2837	Sodium bisulphate	aqueous solution, slightly corrosive	8	C1	III	Water
2837	Bisulphates	aqueous solution, slightly corrosive	8	C1	III	Water
2838	Vinyl butyrate	stabilized	3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2841	Di-n-amylamine		3	FT1	III	Mixture of hydrocarbons and wetting solution
2850	Propylene tetramer	mixture of C12-monoolefines, flashpoint between 23°C and 61°C	3	F1	III	Mixture of hydrocarbons
2873	N,N-Di-n-butyl-aminoethanol		6.1	T1	III	Acetic acid
2874	Furfuryl alcohol		6.1	T1	III	Acetic acid
2920	Corrosive liquid, flammable	n.o.s., flashpoint not more than 61 °C, highly corrosive	8	CF1	I	Rule for collective entries
2920	O,O-Diethyl-dithiophosphoric acid	flashpoint between 23°C and 61°C	8	CF1	II	Wetting solution
2920	O,O-Dimethyl-dithiophosphoric acid	flashpoint between 23°C and 61°C	8	CF1	II	Wetting solution
2920	Hydrogen bromide	33% solution in glacial acetic acid	8	CF1	II	Wetting solution
2920	Tetramethylammonium hydroxide	aqueous solution, flashpoint between 23°C and 61°C	8	CF1	II	Water
2920	Corrosive liquid, flammable	n.o.s., flashpoint between 23°C and 61°C, corrosive	8	CF1	II	Rule for collective entries
2922	Corrosive liquid, toxic	n.o.s., flashpoint more than 61 °C, highly corrosive	8	CT1	I	Rule for collective entries
2922	Ammonium sulphide	aqueous solution, flashpoint more than 61°C	8	CT1	II	Water
2922	Cresols	aqueous alkaline solution	8	CT1	II	Acetic acid
2922	Phenol	aqueous alkaline solution	8	CT1	II	Acetic acid
2922	Corrosive liquid, toxic	n.o.s., flashpoint more than 61°C, corrosive, toxic	8	CT1	II	Rule for collective entries
2922	Corrosive liquid, toxic	n.o.s., flashpoint more than 61°C, corrosive, slightly toxic	8	CT1	II	Rule for collective entries
2922	Sodium hydrogen fluoride	aqueous solution	8	CT1	III	Water
2922	Corrosive liquid, toxic	n.o.s., flashpoint more than 61°C, slightly corrosive, slightly toxic	8	CT1	III	Rule for collective entries
2924	Flammable liquid, corrosive	n.o.s., flashpoint below 23°C	3	FC	I	Rule for collective entries
2924	Flammable liquid, corrosive	n.o.s., flashpoint below 23°C	3	FC	II	Rule for collective entries
2924	Flammable liquid, corrosive	n.o.s., flashpoint between 23°C and 61°C, slightly corrosive,	3	FC	III	Rule for collective entries
2927	Toxic liquid, corrosive, organic	n.o.s., flashpoint more than 61°C, highly toxic, corrosive or slightly corrosive	6.1	TC1	I	Rule for collective entries
2927	Toxic liquid, corrosive, organic	n.o.s., flashpoint more than 61°C	6.1	TC1	II	Rule for collective entries
2933	Methyl 2-chloropropionate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2934	Isopropyl 2-chloropropionate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2935	Ethyl 2-chloropropionate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
2936	Thiolactic acid		6.1	T1	II	Acetic acid
2941	2-Fluoroaniline		6.1	T1	III	Acetic acid
2941	3-Fluoroaniline		6.1	T1	III	Acetic acid
2941	4-Fluoroaniline		6.1	T1	III	Acetic acid
2941	Fluoroanilines	isomeric mixture	6.1	T1	III	Acetic acid
2943	Tetrahydrofurfurylamine		3	F1	III	Mixture of hydrocarbons
2945	N-Methylbutylamine		3	FC	II	Mixture of hydrocarbons and wetting solution
2946	2-Amino-5-diethylaminopentane		6.1	T1	III	Mixture of hydrocarbons and wetting solution
2947	Isopropyl chloroacetate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
2984	Hydrogen peroxide	aqueous solution, with not less than 8% but less than 20% hydrogen peroxide, stabilized as necessary	5.1	O1	III	Nitric acid (55%)
3056	n-Heptaldehyde		3	F1	III	Mixture of hydrocarbons
3065	Alcoholic beverages	with more than 70% alcohol by volume	3	F1	II	Acetic acid
3065	Alcoholic beverages	with more than 24% but not more than 70% alcohol by volume	3	F1	III	Acetic acid
3066	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or Paint related material (including paint thinning and reducing compound)	corrosive	8	C9	II	Rule for collective entries
3066	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or Paint related material (including paint thinning and reducing compound)	slightly corrosive	8	C9	III	Rule for collective entries
3079	Methacrylonitrile	stabilized	3	FT1	I	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3080	Diphenylmethane-4,4'-diisocyanate solution	flashpoint between 23°C and 61°C	6.1	TF1	II	Acetic acid
3082	sec-Alcohol C ₆ -C ₁₇ poly (3-6) ethoxylate		9	M6	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons
3082	Alcohol C ₁₂ -C ₁₅ poly (1-3) ethoxylate		9	M6	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons
3082	Alcohol C ₁₃ -C ₁₅ poly (1-6) ethoxylate		9	M6	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons
3082	Aviation turbine fuel JP-5	flashpoint more than 61°C	9	M6	III	Mixture of hydrocarbons
3082	Aviation turbine fuel JP-7	flashpoint more than 61°C	9	M6	III	Mixture of hydrocarbons
3082	Coal tar	flashpoint more than 61°C	9	M6	III	Mixture of hydrocarbons
3082	Coal tar naphtha	flashpoint more than 61°C	9	M6	III	Mixture of hydrocarbons
3082	Creosote produced of coal tar	flashpoint more than 61°C	9	M6	III	Mixture of hydrocarbons
3082	Creosote produced of wood tar	flashpoint more than 61°C	9	M6	III	Mixture of hydrocarbons

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
3082	Cresyl diphenyl phosphate		9	M6	III	Wetting solution
3082	Decyl acrylate		9	M6	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons
3082	Diisobutyl phthalate		9	M6	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons
3082	Di-n-butyl phthalate		9	M6	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons
3082	Fuel oil	DIN 51603-S-K-04	9	M6	III	Mixture of hydrocarbons
3082	Fuel oil M	DIN 51603	9	M6	III	Mixture of hydrocarbons
3082	Heating oil, heavy	DIN 51603-S-03	9	M6	III	Mixture of hydrocarbons
3082	Hydrocarbons	liquid, flashpoint more than 61°C, environmentally hazardous	9	M6	III	Rule for collective entries
3082	Isodecyl diphenyl phosphate		9	M6	III	Wetting solution
3082	Methylnaphthalenes	isomeric mixture, liquid	9	M6	III	Mixture of hydrocarbons
3082	Solvent naphtha heavy	DIN 51633 - C10-Ar, flashpoint more than 61°C	9	M6	III	Mixture of hydrocarbons
3082	Triaryl phosphates	n.o.s.	9	M6	III	Wetting solution
3082	Triaryl phosphates	isopropylated	9	M6	III	Wetting solution
3082	Tricresyl phosphate	with not less than 1% but not more than 3% ortho-isomer	9	M6	III	Wetting solution
3082	Tricresyl phosphate	with less than 1% ortho-isomer	9	M6	III	Wetting solution
3082	Trixylenyl phosphate		9	M6	III	Wetting solution
3082	Zinc alkyl dithiophosphate	C3-C14	9	M6	III	Wetting solution
3082	Zinc aryl dithiophosphate	C7-C16	9	M6	III	Wetting solution
3082	Environmentally hazardous substance	liquid, n.o.s.	9	M6	III	Rule for collective entries
3099	Oxidizing liquid, toxic	n.o.s.	5.1	OT1	I	Rule for collective entries
3099	Barium chlorate	aqueous solution	5.1	OT1	II	Water
3099	Barium perchlorate	aqueous solution	5.1	OT1	II	Water
3099	Lead perchlorate	aqueous solution	5.1	OT1	II	Water
3099	Oxidizing liquid, toxic	n.o.s.	5.1	OT1	II	Rule for collective entries
3099	Oxidizing liquid	slightly toxic n.o.s.	5.1	OT1	III	Rule for collective entries
3101	Organic Peroxide Type B	liquid	5.2	P1		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		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		n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons and nitric acid (55%)**

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
3107	Organic Peroxide Type E	liquid	5.2	P1		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		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		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		n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons and nitric acid (55%)**
3115	Organic Peroxide Type D	liquid, temperature controlled	5.2	P2		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		n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons and nitric acid (55%)**
3119	Organic Peroxide Type F	liquid, temperature controlled	5.2	P2		n-Butyl acetate/ n-butyl acetate-saturated wetting solution and mixture of hydrocarbons and nitric acid (55%)**
<p>**) For UN Nos. 3101, 3103, 3105, 3107, 3109, 3111, 3113, 3115, 3117, 3119 (tert-butyl hydroperoxide with more than 40 % peroxide content and peroxyacetic acids are excluded): All organic peroxides in a technically pure form or in solution in solvents which, as far as their compatibility is concerned, are covered by the standard liquid "mixture of hydrocarbons" in this list. Compatibility of vents and gaskets with organic peroxides may be verified, also independently of the design type test, by laboratory tests with nitric acid.</p>						
3145	Butylphenols	liquid, n.o.s., highly corrosive	8	C3	I	Acetic acid
3145	Alkylphenols	liquid, n.o.s., including C2 to C12 homologues, highly corrosive	8	C3	I	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3145	Butylphenols	liquid, n.o.s., corrosive	8	C3	II	Acetic acid
3145	Dodecylphenol		8	C3	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3145	Nonylphenol	technical, isomeric mixture of 2-/4-Nonylphenol 10/90%	8	C3	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3145	Alkylphenols	liquid, n.o.s., including C2 to C12 homologues, corrosive	8	C3	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3145	meta-Butylphenol		8	C3	III	Acetic acid
3145	meta-sec-Butylphenol		8	C3	III	Acetic acid

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
3145	meta-tert-Butylphenol	liquid	8	C3	III	Acetic acid
3145	ortho-Butylphenol		8	C3	III	Acetic acid
3145	ortho-sec-Butylphenol		8	C3	III	Acetic acid
3145	ortho-tert-Butylphenol		8	C3	III	Acetic acid
3145	para-Butylphenol		8	C3	III	Acetic acid
3145	meta-Isobutylphenol		8	C3	III	Acetic acid
3145	ortho-Isobutylphenol		8	C3	III	Acetic acid
3145	Butylphenol	isomeric mixture, liquid	8	C3	III	Acetic acid
3145	Butylphenols	liquid, n.o.s., slightly corrosive	8	C3	III	Acetic acid
3145	Alkylphenols	liquid, n.o.s., including C2 to C12 homologues, slightly corrosive	8	C3	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3149	Hydrogen peroxide and peroxyacetic acid mixture	with UN 2790 acetic acid, UN 2796 sulphuric acid and/or UN 1805 phosphoric acid, water and not more than 5% peroxyacetic acid, stabilized;	5.1	OC1	II	Wetting solution and nitric acid (55%)
3210	Chlorate and calcium chloride	mixture, aqueous solution, oxidizing	5.1	O1	II	Water
3210	Chlorate and magnesium chloride	mixture, aqueous solution, oxidizing	5.1	O1	II	Water
3210	Chlorate and sodium chloride	mixture, aqueous solution, oxidizing	5.1	O1	II	Water
3210	Strontium chlorate	aqueous solution, oxidizing	5.1	O1	II	Water
3210	Chlorates	inorganic, aqueous solution, n.o.s., oxidizing	5.1	O1	II	Water
3210	Chlorate and calcium chloride	mixture, aqueous solution, slightly oxidizing	5.1	O1	III	Water
3210	Chlorate and magnesium chloride	mixture, aqueous solution, slightly oxidizing	5.1	O1	III	Water
3210	Chlorate and sodium chloride	mixture, aqueous solution, slightly oxidizing	5.1	O1	III	Water
3210	Strontium chlorate	aqueous solution, slightly oxidizing	5.1	O1	III	Water
3210	Chlorates	inorganic, aqueous solution, n.o.s., slightly oxidizing	5.1	O1	III	Water
3211	Calcium perchlorate	aqueous solution, oxidizing	5.1	O1	II	Water
3211	Magnesium perchlorate	aqueous solution, oxidizing	5.1	O1	II	Water
3211	Potassium perchlorate	aqueous solution, oxidizing	5.1	O1	II	Water
3211	Sodium perchlorate	aqueous solution, oxidizing	5.1	O1	II	Water
3211	Strontium perchlorate	aqueous solution, oxidizing	5.1	O1	II	Water
3211	Perchlorates	inorganic, aqueous solution, n.o.s., oxidizing	5.1	O1	II	Water
3211	Calcium perchlorate	aqueous solution, slightly oxidizing	5.1	O1	III	Water
3211	Magnesium perchlorate	aqueous solution, slightly oxidizing	5.1	O1	III	Water
3211	Potassium perchlorate	aqueous solution, slightly oxidizing	5.1	O1	III	Water
3211	Sodium perchlorate	aqueous solution, slightly oxidizing	5.1	O1	III	Water
3211	Strontium perchlorate	aqueous solution, slightly oxidizing	5.1	O1	III	Water
3211	Perchlorates	inorganic, aqueous solution, n.o.s., slightly oxidizing	5.1	O1	III	Water
3213	Bromates	inorganic, aqueous solution, n.o.s., oxidizing	5.1	O1	II	Water
3213	Bromates	inorganic, aqueous solution, n.o.s., slightly oxidizing	5.1	O1	III	Water
3214	Permanganates	inorganic, aqueous solution, n.o.s.	5.1	O1	II	Water
3216	Persulphates	inorganic, aqueous solution, n.o.s.	5.1	O1	III	Wetting solution
3218	Nitrates	inorganic, aqueous solution, n.o.s., oxidizing	5.1	O1	II	Water
3218	Calcium nitrate	aqueous solution	5.1	O1	III	Water
3218	Magnesium nitrate	aqueous solution	5.1	O1	III	Water
3218	Nitrates	inorganic, aqueous solution, n.o.s., slightly oxidizing	5.1	O1	III	Water
3219	Nitrites	inorganic, aqueous solution, n.o.s., oxidizing	5.1	O1	II	Water
3219	Nitrites	inorganic, aqueous solution, n.o.s., slightly oxidizing	5.1	O1	III	Water

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
3264	Corrosive liquid, acidic, inorganic	n.o.s., flashpoint more than 61 °C, highly corrosive	8	C1	I	Rule for collective entries not applicable to mixtures having components of UN Nos.: 1830, 1832, 1906 and 2308 !
3264	Corrosive liquid, acidic, inorganic	n.o.s., flashpoint more than 61 °C, corrosive	8	C1	II	Rule for collective entries not applicable to mixtures having components of UN Nos.: 1830, 1832, 1906 and 2308 !
3264	Cupric chloride	aqueous solution, slightly corrosive	8	C1	III	Water
3264	Hydroxylamine sulphate	25% aqueous solution	8	C1	III	Water
3264	Phosphorous acid	aqueous solution	8	C1	III	Water
3264	Corrosive liquid, acidic, inorganic	n.o.s., flashpoint more than 61 °C, slightly corrosive	8	C1	III	Rule for collective entries not applicable to mixtures having components of UN Nos.: 1830, 1832, 1906 and 2308 !
3265	Methoxyacetic acid		8	C3	I	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3265	Corrosive liquid, acidic, organic	n.o.s., flashpoint more than 61 °C, highly corrosive	8	C3	I	Rule for collective entries
3265	Allyl succinic acid anhydride		8	C3	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3265	Dithioglycolic acid		8	C3	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3265	Corrosive liquid, acidic, organic	n.o.s., flashpoint more than 61 °C, corrosive	8	C3	II	Rule for collective entries
3265	Butyl phosphate	mixture of mono- and di-butyl phosphate	8	C3	III	Wetting solution
3265	Caprylic acid		8	C3	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3265	Isovaleric acid		8	C3	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3265	Pelargonic acid		8	C3	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3265	Pyruvic acid		8	C3	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3265	Valeric acid		8	C3	III	Acetic acid
3265	Corrosive liquid, acidic, organic	n.o.s., flashpoint more than 61 °C, slightly corrosive	8	C3	III	Rule for collective entries
3266	Corrosive liquid, basic, inorganic	n.o.s., flashpoint more than 61°C, highly corrosive	8	C5	I	Rule for collective entries
3266	Sodium hydrosulphide	aqueous solution	8	C5	II	Acetic acid
3266	Corrosive liquid, basic, inorganic	n.o.s., flashpoint more than 61°C, corrosive	8	C5	II	Rule for collective entries
3266	Sodium sulphide	aqueous solution, corrosive	8	C5	III	Acetic acid
3266	Corrosive liquid, basic, inorganic	n.o.s., flashpoint more than 61°C, slightly corrosive	8	C5	III	Rule for collective entries
3267	Corrosive liquid, basic, organic	n.o.s., flashpoint more than 61°C, highly corrosive	8	C7	I	Rule for collective entries
3267	2,2'-(Butylimino)-bisethanol		8	C7	II	Mixture of hydrocarbons and wetting solution
3267	Corrosive liquid, basic, organic	n.o.s., flashpoint more than 61°C, corrosive	8	C7	II	Rule for collective entries
3267	Corrosive liquid, basic, organic	n.o.s., flashpoint more than 61°C, slightly corrosive	8	C7	III	Rule for collective entries
3271	Ethers	n.o.s., vapour pressure at 50°C not more than 110 kPa	3	F1	II	Rule for collective entries
3271	Ethylene glycol monobutyl ether	flashpoint 61°C	3	F1	III	Acetic acid

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
3271	Ethers	n.o.s., flashpoint between 23°C and 61°C	3	F1	III	Rule for collective entries
3272	Acrylic acid tert-butyl ester		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3272	Isobutyl propionate	flashpoint below 23°C	3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3272	Methyl valerate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3272	Trimethyl ortho-formate		3	F1	II	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3272	Esters	n.o.s., vapour pressure at 50°C not more than 110 kPa	3	F1	II	Rule for collective entries
3272	Ethyl valerate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3272	Isobutyl isovalerate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3272	n-Amyl propionate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3272	n-Butylbutyrate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3272	Methyl lactate		3	F1	III	n-Butyl acetate/ n-butyl acetate-saturated wetting solution
3272	Esters	n.o.s., flashpoint between 23°C and 61°C	3	F1	III	Rule for collective entries
3287	Toxic liquid, inorganic	n.o.s., flashpoint more than 61°C, highly toxic,	6.1	T4	I	Rule for collective entries
3287	Toxic liquid, inorganic	n.o.s., flashpoint more than 61°C, toxic,	6.1	T4	II	Rule for collective entries
3287	Potassium fluoride	aqueous solution	6.1	T4	III	Water
3287	Sodium fluoride	aqueous solution	6.1	T4	III	Water
3287	Sodium nitrite	40% aqueous solution	6.1	T4	III	Water
3287	Toxic liquid, inorganic	n.o.s., flashpoint more than 61°C, slightly toxic,	6.1	T4	III	Rule for collective entries
3291	Clinical waste	unspecified, n.o.s., liquid	6.2	I3	II	Water
3293	Hydrazine	aqueous solution, with not more than 37% hydrazine, by mass	6.1	T4	III	Water
3295	Hydrocarbons	liquid, n.o.s., vapour pressure at 50°C more than 175 kPa	3	F1	I	Rule for collective entries
3295	Hydrocarbons	liquid, n.o.s., vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	I	Rule for collective entries
3295	Hydrocarbons	n.o.s., vapour pressure at 50°C more than 110 kPa but not more than 175 kPa	3	F1	II	Rule for collective entries
3295	3,3-Diethylpentane		3	F1	II	Mixture of hydrocarbons
3295	2,2-Dimethyl-3-ethylpentane		3	F1	II	Mixture of hydrocarbons
3295	2,3-Dimethyl-3-ethylpentane		3	F1	II	Mixture of hydrocarbons
3295	2,4-Dimethyl-3-ethylpentane		3	F1	II	Mixture of hydrocarbons
3295	2,4-Dimethylheptane		3	F1	II	Mixture of hydrocarbons
3295	2,6-Dimethylheptane		3	F1	II	Mixture of hydrocarbons
3295	3,3-Dimethylheptane		3	F1	II	Mixture of hydrocarbons
3295	4,4-Dimethylheptane		3	F1	II	Mixture of hydrocarbons
3295	4-Ethyl-2-methylhexane		3	F1	II	Mixture of hydrocarbons
3295	cis-3-Heptene		3	F1	II	Mixture of hydrocarbons
3295	trans-2-Heptene		3	F1	II	Mixture of hydrocarbons

UN No. (1)	Name (2)	Description (3)	Class (4)	Classification code (5)	Packing Group (6)	Standard Liquid (7)
3295	trans-3-Heptene		3	F1	II	Mixture of hydrocarbons
3295	Nonanes	isomeric mixture, flashpoint below 23 °C	3	F1	II	Mixture of hydrocarbons
3295	2,2,3,3-Tetramethylpentane		3	F1	II	Mixture of hydrocarbons
3295	2,2,3,4-Tetramethylpentane		3	F1	II	Mixture of hydrocarbons
3295	2,2,4,4-Tetramethylpentane		3	F1	II	Mixture of hydrocarbons
3295	2,3,3,4-Tetramethylpentane		3	F1	II	Mixture of hydrocarbons
3295	2,2,3-Trimethylhexane		3	F1	II	Mixture of hydrocarbons
3295	2,2,4-Trimethylhexane		3	F1	II	Mixture of hydrocarbons
3295	2,2,5-Trimethylhexane		3	F1	II	Mixture of hydrocarbons
3295	2,3,5-Trimethylhexane		3	F1	II	Mixture of hydrocarbons
3295	2,4,4-Trimethylhexane		3	F1	II	Mixture of hydrocarbons
3295	Hydrocarbons	n.o.s., vapour pressure at 50°C not more than 110 kPa	3	F1	II	Rule for collective entries
3295	iso-Decanes	isomeric mixture, flashpoint between 23°C and 61°C	3	F1	III	Mixture of hydrocarbons
3295	2,3-Dimethyloctane		3	F1	III	Mixture of hydrocarbons
3295	2,5-Dimethyloctane		3	F1	III	Mixture of hydrocarbons
3295	2,7-Dimethyloctane		3	F1	III	Mixture of hydrocarbons
3295	4,5-Dimethyloctane		3	F1	III	Mixture of hydrocarbons
3295	3-Ethyloctane		3	F1	III	Mixture of hydrocarbons
3295	4-Ethyloctane		3	F1	III	Mixture of hydrocarbons
3295	4-Isopropylheptane		3	F1	III	Mixture of hydrocarbons
3295	2-Methylnonane		3	F1	III	Mixture of hydrocarbons
3295	1,2,3-Trimethylbenzene		3	F1	III	Mixture of hydrocarbons
3295	2,5,5-Trimethylheptane		3	F1	III	Mixture of hydrocarbons
3295	Hydrocarbons	liquid, n.o.s., flashpoint between 23°C and 61°C	3	F1	III	Rule for collective entries