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COMITÉ D'EXPERTS EN MATIÈRE DE TRANSPORT  
DES MARCHANDISES DANGEREUSES

(Vingtième session,  
Genève, 7-16 décembre 1998,  
point 2 a) de l'ordre du jour)

TRAVAUX DU SOUS-COMITÉ D'EXPERTS DU  
TRANSPORT DES MARCHANDISES DANGEREUSES

Transport multimodal en citernes mobiles

Dispositions relatives aux citernes mobiles

Mise en oeuvre de la méthode rationalisée

Transmis par l'expert des États-Unis d'Amérique

1. Le Sous-Comité a examiné à sa quinzième session une proposition présentée par l'expert des États-Unis d'Amérique (ST/SG/AC.10/C.3/1998/32) visant à mettre en oeuvre la méthode rationalisée, décrite dans le document ST/SG/AC.10/C.3/26/Add.1, pour affecter des dispositions concernant le transport en citernes mobiles à chaque matière. Un groupe de travail s'est réuni et a émis des recommandations que le Sous-Comité a ensuite adoptées. Le tableau révisé à l'annexe 1 (en anglais uniquement) tient compte de ces recommandations. Les modifications apportées aux dispositions pour le transport en citernes mobiles sont indiquées en caractère gras.

2. L'examen de l'annexe 1 révèle que pour la plupart des matières les dispositions de transport en citernes mobiles sont déjà en accord avec la méthode rationalisée. Dans la plupart des cas, les modifications apportées n'auront qu'une incidence minime sur la sécurité et pour les entreprises. Certaines modifications ont été examinées plus attentivement, compte tenu des caractéristiques particulières des matières et de leurs effets pour ce qui est des citernes mobiles existantes. Cette démarche est conforme aux règles du document ST/SG/AC.10/C.3/26/Add.1 où il est indiqué que : "Pour certaines matières, les dispositions qui sont en principe recommandées dans les présentes règles peuvent ne pas convenir parce que la matière possède

des caractéristiques particulières qui ne sont pas prises en compte dans les règles. Dans ce cas, l'affectation des dispositions appropriées devra se faire en fonction de l'avis des experts".

3. La méthode rationalisée pour l'affectation des dispositions concernant les citernes mobiles décrite dans le document ST/SG/AC.10/C.3/26/Add.1 a aussi été mise à jour afin de tenir compte des amendements proposés pour les dispositions et des décisions prises par le Groupe de travail. Elle figure à l'annexe 2. Plusieurs instructions ont été ajoutées tandis que d'autres instructions ont reçu un nouveau numéro pour que toutes les dispositions possibles concernant les citernes mobiles puissent être mentionnées. Toutes ces dispositions ne sont pas utilisées dans l'annexe 1.

#### **Proposition**

4. À sa réunion qui a eu lieu à l'OMI du 14 au 23 septembre 1998, le groupe E et T du Sous-Comité DSC de l'OMI a proposé que le transport de matières des GE I et II qui ont un effet très corrosif sur l'acier ne soit pas autorisé dans les citernes mobiles pourvues d'orifices en partie basse. Cette décision est conforme aux dispositions de transport en citernes mobiles énoncées actuellement par les Recommandations de l'ONU et par le Code IMDG, mais il n'en est pas tenu compte dans la méthode rationalisée en ce qui concerne les matières du GE II. Puisque, conformément à la méthode rationalisée, le transport des matières du GE I en citernes mobiles pourvues d'orifices en partie basse est déjà interdit, seules seraient concernées les matières du GE II. Les annexes 1 et 2 ont été amendées selon la proposition de l'OMI. Le Comité est prié d'examiner ces amendements.

5. Le groupe E et T a aussi recensé un certain nombre de matières dont le transport en citernes mobiles est autorisé mais qui ne font l'objet d'aucune disposition dans le Règlement type. L'expert des États-Unis propose qu'il soit tenu compte de la méthode rationalisée lors de l'autorisation du transport en citernes de ces matières. Une liste de ces dernières est donnée à l'annexe 3, les propositions d'instructions et de dispositions spéciales pour le transport en citernes mobiles y étant indiquées.

6. Dans de précédents documents (par exemple ST/SG/AC.10/C.3/1997/88/Add.1 et ST/SG/AC.10/C.3/1998/32), l'expert des États-Unis a proposé qu'il soit appliqué des dispositions spéciales pour le transport en citernes mobiles aux matières toxiques à l'inhalation. Ces dispositions sont aussi incluses dans les propositions de dispositions spéciales présentées à l'annexe 1.

7. Le Comité est prié d'examiner les modifications résultant de l'application de la méthode rationalisée en se fondant sur le tableau figurant à l'annexe 1. L'expert des États-Unis est d'avis qu'en se fondant sur l'accord concernant la clause de maintien des droits acquis de manière que les dispositions de la dixième édition révisée des Recommandations de l'ONU et par l'Amendement 29 du Code IMDG puissent encore être utilisées, et eu égard aux amendements proposés à l'annexe 1, on pourra éviter d'imposer des restrictions trop rigoureuses aux entreprises. L'expert des États-Unis estime que la méthode rationalisée devrait être mise en oeuvre sur la base des amendements proposés dans les annexes.

8. Les amendements corollaires suivants sont aussi proposés :

- a) Trois nouvelles dispositions spéciales pour le transport en citernes mobiles devraient être introduites dans le paragraphe 4.2.4.3, comme suit :

- TP27 On peut utiliser une citerne mobile dont la pression minimale d'épreuve est de 4 bars s'il est démontré qu'une pression d'épreuve inférieure ou égale à cette valeur est admissible eu égard à la définition de la pression d'épreuve donnée au paragraphe 6.6.2.1.
- TP28 On peut utiliser une citerne mobile dont la pression minimale d'épreuve est de 2,65 bars s'il est démontré qu'une pression d'épreuve inférieure ou égale à cette valeur est admissible eu égard à la définition de la pression d'épreuve donnée au paragraphe 6.6.2.1.
- TP29 On peut utiliser une citerne mobile dont la pression minimale d'épreuve est de 1,5 bar s'il est démontré qu'une pression d'épreuve inférieure ou égale à cette valeur est admissible eu égard à la définition de la pression d'épreuve donnée au paragraphe 6.6.2.1.
- b) Dans le paragraphe 4.2.4.2.5 (voir la dernière révision figurant dans le document ST/SG/AC.10/C.3/28), modifier le tableau pour y inclure ce qui suit :

Instruction de transport en citernes mobiles spécifiée	Autres instructions de transport en citernes mobiles qui peuvent être appliquées
T1	T2, T3, T4, T5, T6, T7, T8, T9, T10, T11, T12, T13, T14, T15, T16, T17, T18, T19, T20, T21, T22
T2	T4, T5, T6, T7, T8, T9, T10, T11, T12, T13, T14, T15, T16, T17, T18, T19, T20, T21, T22
T3	T4, T5, T6, T7, T8, T9, T10, T11, T12, T13, T14, T15, T16, T17, T18, T19, T20, T21, T22
T4	T5, T6, T7, T8, T9, T10, T11, T12, T13, T14, T15, T16, T17, T18, T19, T20, T21, T22
T5	T10, T12, T14, T16, T18, T19, T20, T22
T6	T7, T8, T9, T10, T11, T12, T13, T14, T15, T16, T17, T18, T19, T20, T21, T22
T7	T8, T9, T10, T11, T12, T13, T14, T15, T16, T17, T18, T19, T20, T21, T22
T8	T9, T10, T13, T14, T19, T20, T21, T22
T9	T10, T13, T14, T19, T20, T21, T22
T10	T14, T19, T20, T22
T11	T12, T13, T14, T15, T16, T17, T18, T19, T20, T21, T22
T12	T14, T16, T18, T19, T20, T22
T13	T14, T19, T20, T21, T22
T14	T19, T20, T22
T15	T16, T17, T18, T19, T20, T21, T22
T16	T18, T19, T20, T22
T17	T18, T19, T20, T21, T22
T18	T19, T20, T22
T19	T20, T22
T20	T22
T21	T22
T22	Aucune
T23	Aucune

- c) Dans le paragraphe 4.2.4.2.6 (voir la dernière révision figurant dans le document ST/SG/AC.10/C.3/28), insérer ce qui suit :

T1 à T22		INSTRUCTIONS DE TRANSPORT EN CITERNES MOBILES			T1 à T22	
<i>Ces instructions s'appliquent au transport en citernes mobiles de matières liquides et solides des classes 3 à 9. Les dispositions générales de la section 4.2.1 et les prescriptions de la section 6.6.2 doivent être respectées.</i>						
Instruction de transport en citernes mobiles	Pression minimale d'épreuve (bar)	Epaisseur minimale du réservoir (en mm d'acier de référence) (voir 6.2.4)	Dispositifs de décompression (voir 6.6.2.8)	Orifices en partie basse (voir 6.6.2.6)		
T1	1,5	Voir 6.6.2.4.2	Normaux	Voir 6.6.2.6.2		
T2	1,5	Voir 6.6.2.4.2	Normaux	Voir 6.6.2.6.3		
T3	2,65	Voir 6.6.2.4.2	Normaux	Voir 6.6.2.6.2		
T4	2,65	Voir 6.6.2.4.2	Normaux	Voir 6.6.2.6.3		
T5	2,65	Voir 6.6.2.4.2	Voir 6.6.2.8.3	Non autorisés		
T6	4	Voir 6.6.2.4.2	Normaux	Voir 6.6.2.6.2		
T7	4	Voir 6.6.2.4.2	Normaux	Voir 6.6.2.6.3		
T8	4	Voir 6.6.2.4.2	Normaux	Non autorisés		
T9	4	6 mm	Normaux	Non autorisés		
T10	4	6 mm	Voir 6.6.2.8.3	Non autorisés		
T11	6	Voir 6.6.2.4.2	Normaux	Voir 6.6.2.6.3		
T12	6	Voir 6.6.2.4.2	Voir 6.6.2.8.3	Voir 6.6.2.6.3		
T13	6	6 mm	Normaux	Non autorisés		
T14	6	6 mm	Voir 6.6.2.8.3	Non autorisés		
T15	10	Voir 6.6.2.4.2	Normaux	Voir 6.6.2.6.3		
T16	10	Voir 6.6.2.4.2	Voir 6.6.2.8.3	Voir 6.6.2.6.3		
T17	10	6 mm	Normaux	Voir 6.6.2.6.3		
T18	10	6 mm	Voir 6.6.2.8.3	Voir 6.6.2.6.3		
T19	10	6 mm	Voir 6.6.2.8.3	Non autorisés		
T20	10	8 mm	Voir 6.6.2.8.3	Non autorisés		
T21	10	10 mm	Normaux	Non autorisés		
T22	10	10 mm	Voir 6.6.2.8.3	Non autorisés		

d) Les amendements rédactionnels suivants devraient être apportés :

- Dans le paragraphe 4.2.4.2.6, l'instruction de transport en citernes mobiles T34 (T20) devrait être renumérotée "T23".

- Dans le paragraphe 4.2.1.1, supprimer la dernière phrase et ajouter ce qui suit :

"Les matières doivent être transportées en citernes mobiles conformément aux instructions indiquées dans la colonne 10 de la Liste des marchandises dangereuses ainsi qu'aux dispositions spéciales pour le transport en citernes mobiles affectées à chaque matière selon la colonne 11 de la Liste des marchandises dangereuses."

- Dans le paragraphe 4.2.4.1.1, supprimer "(T1 à T75)" dans la deuxième phrase.

- Dans le paragraphe 4.2.4.2.2, supprimer "(T1 à T34)" dans la première phrase.

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ANNEX 1

Changes to Portable Tank Requirements Resulting from the Rationalized Approach

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
1089	ACETALDEHYDE	3	I		T28	T11	TP2 TP7	The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1133	ADHESIVES containing flammable liquid	3	I		T4	T11	TP1 TP8	Minimum test pressure increased from 2.65 bar to 6 bar.
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	3	I		T4	T11	TP1 TP8	Minimum test pressure increased from 2.65 bar to 6 bar.
1144	CROTONYLENE	3	I		T24	T11	TP2	No change in requirements.
1155	DIETHYL ETHER (ETHYL ETHER)	3	I		T26	T11	TP2	Bottom openings would be allowed and would require three effective means of closure.
1167	DIVINYL ETHER, INHIBITED	3	I		T13	T11	TP2	Minimum test pressure increased from 4 bar to 6 bar.
1210	PRINTING INK, flammable	3	I		T4	T11	TP1 TP8	Minimum test pressure increased from 2.65 bar to 6 bar.
1218	ISOPRENE, INHIBITED	3	I		T24	T11	TP2	No change in requirements.
3295	HYDROCARBONS, LIQUID, N.O.S.	3	I		T4	T11	TP1 TP8 TP9	Minimum test pressure increased from 2.65 bar to 6 bar.
1243	METHYL FORMATE	3	I		T24	T11	TP2	No change in requirements.
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	3	I		T4	T11	TP1 TP8	Minimum test pressure increased from 2.65 bar to 6 bar.
1265	PENTANES, liquid	3	I		T24	T11	TP2	No change in requirements.
1267	PETROLEUM CRUDE OIL	3	I		T4	T11	TP1 TP8	Minimum test pressure increased from 2.65 bar to 6 bar.
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	I		T4	T11	TP1 TP8 TP9	Minimum test pressure increased from 2.65 bar to 6 bar.
1280	PROPYLENE OXIDE	3	I		T24	T11	TP2 TP7	No change in requirements.
1302	VINYL ETHER, INHIBITED	3	I		T13	T11	TP2	Minimum test pressure increased from 4 bar to 6 bar.
1303	VINYLDENE CHLORIDE, INHIBITED	3	I		T25	T12	TP2 TP7	A frangible disc would continue to be required in series with the relief device due to the potential for this substance to readily polymerize.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2389	FURAN	3	I		T16	T12	TP2 TP13	Minimum test pressure increased from 4 bar to 6 bar. Bottom openings would be allowed and would require three effective means of closure. A frangible disc would continue to be required in series with the relief device due to the potential for this substance to readily polymerize.
2371	ISOPENTENES	3	I		T24	T11	TP2	No change in requirements.
2363	ETHYL MERCAPTAN	3	I		T26	T11	TP2 TP13	Bottom openings would be allowed and would require three effective means of closure.
2561	3-METHYL-1-BUTENE	3	I		T24	T11	TP2	No change in requirements.
2459	2-METHYL-1-BUTENE	3	I		T13	T11	TP2	Minimum test pressure increased from 4 bar to 6 bar.
2356	2-CHLOROPROPANE	3	I		T13	T11	TP2 TP13	Minimum test pressure increased from 4 bar to 6 bar.
2456	2-CHLOROPROPENE	3	I		T24	T11	TP2	No change in requirements.
1108	1-PENTENE (n-AMYLENE)	3	I		T13	T11	TP2	Minimum test pressure increased from 4 bar to 6 bar.
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	3	I		T28	T11	TP2	The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1863	FUEL, AVIATION, TURBINE ENGINE	3	I		T4	T11	TP1 TP8	Minimum test pressure increased from 2.65 bar to 6 bar.
1866	RESIN SOLUTION, flammable	3	I		T4	T11	TP1 TP8	Minimum test pressure increased from 2.65 bar to 6 bar.
2749	TETRAMETHYLSILANE	3	I		T29	T14	TP2	No change in requirements.
1989	ALDEHYDES, N.O.S.	3	I		T4	T11	TP1 TP9	Minimum test pressure increased from 2.65 bar to 6 bar.
1993	FLAMMABLE LIQUID, N.O.S.	3	I		T4	T11	TP1 TP9	Minimum test pressure increased from 2.65 bar to 6 bar.
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	3	I		T4	T11	TP1 TP8 TP9	Minimum test pressure increased from 2.65 bar to 6 bar.
2605	METHOXYMETHYL ISOCYANATE	3	I	6.1	T20	T22	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 10mm. A frangible disc would continue to be required in series with the relief device due to the inhalation toxicity hazard.
1100	ALLYL CHLORIDE	3	I	6.1	T20	T14	TP2 TP13	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. A frangible disc would continue to be required in series with the relief device due to the potential for this substance to readily polymerize.
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	I	6.1	T16	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter.
1099	ALLYL BROMIDE	3	I	6.1	T16	T14	TP2 TP13	Minimum test pressure increased from 4 bar to 6 bar. A frangible disc would continue to be required in series with the relief device due to the potential for this substance to readily polymerize.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
1093	ACRYLONITRILE, INHIBITED	3	I	6.1	T20	T14	TP2	Minimum test pressure increased from 4 bar to 6 bar.
1991	CHLOROPRENE, INHIBITED	3	I	6.1	T15	T14	TP2 TP6 TP13	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. A frangible disc would be required in series with the relief device in all cases.
1131	CARBON DISULPHIDE	3	I	6.1	T20	T14	TP2 TP7 TP13	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm regardless of the tanks diameter. <b>Bottom openings would not be allowed.</b> A frangible disc would <b>continue</b> to be required in series with the relief device.
2483	ISOPROPYL ISOCYANATE	3	I	6.1	T20	T22	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 10mm. A frangible disc would <b>continue</b> to be required in series with the relief device <b>due to the inhalation toxicity risk.</b>
3273	NITRILES, FLAMMABLE, TOXIC, N.O.S.	3	I	6.1	T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2481	ETHYL ISOCYANATE	3	I	6.1	T20	T22	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 10mm. A frangible disc would <b>continue</b> to be required in series with the relief device <b>due to the inhalation toxicity risk.</b>
2336	ALLYL FORMATE	3	I	6.1	T20	T14	TP2 TP13	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1921	PROPYLENEMINE, INHIBITED	3	I	6.1	T29	T14	TP2	No change in requirements.
2983	ETHYLENE OXIDE AND PROPYLENE OXIDE MIXTURE, not more than 30% ethylene oxide	3	I	6.1	T27	T14	TP2	The minimum shell thickness would be 6mm in all cases regardless of the tank diameter.
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	I	6.1, 8	T13	T14	TP2 TP9 TP13	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
1305	VINYLTRICHLOROSILANE, INHIBITED	3	I	8	T17	T11	TP2 TP13	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1221	ISOPROPYLAMINE	3	I	8	T24	T11	TP2	No change in requirements.
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	I	8	T19	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. A frangible disc would be required in series with the relief device in all cases.
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3	I	8	T4	T14	TP1 TP9	Minimum test pressure increased from 2.65 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.



UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
1250	METHYLTRICHLOROSILANE	3	I	8	T17	T11	TP2 TP13	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	3	I	8	T13	T11	TP1	Minimum test pressure increased from 4 bar to 6 bar.
1088	ACETAL	3	II		T4	T4	TP1	No change in requirements.
1090	ACETONE	3	II		T4	T4	TP1	No change in requirements.
1091	ACETONE OILS	3	II		T4	T4	TP1 TP8	No change in requirements.
2410	1,2,3,6-TETRAHYDROPYRIDINE	3	II		T4	T4	TP1	No change in requirements.
3272	ESTERS, N.O.S.	3	II		T4	T7	TP1 TP8 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
1105	PENTANOLS	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1107	AMYL CHLORIDE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1111	AMYL MERCAPTAN	3	II		T4	T4	TP1	No change in requirements.
1113	AMYL NITRITE	3	II		T4	T4	TP1	No change in requirements.
1114	BENZENE	3	II		T4	T4	TP1	No change in requirements.
1120	BUTANOLS	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1123	BUTYL ACETATES	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1127	CHLOROBUTANES	3	II		T4	T4	TP1	No change in requirements.
1128	n-BUTYL FORMATE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1129	BUTYRALDEHYDE	3	II		T4	T4	TP1	No change in requirements.
1133	ADHESIVES containing flammable liquid	3	II		T4	T4	TP1 TP8	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1136	COAL TAR DISTILLATES, FLAMMABLE	3	II		T4	T4	TP1 TP7	No change in requirements.
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	3	II		T4	T4	TP1 TP8	No change in requirements.
1145	CYCLOHEXANE	3	II		T4	T4	TP1	No change in requirements.
1146	CYCLOPENTANE	3	II		T13	T7	TP1	No change in requirements.
1148	DIACETONE ALCOHOL	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1156	DIETHYL KETONE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1159	DIISOPROPYL ETHER	3	II		T4	T4	TP1	No change in requirements.
1161	DIMETHYL CARBONATE	3	II		T4	T4	TP1	No change in requirements.
1164	DIMETHYL SULPHIDE	3	II		T13	T7	TP2	No change in requirements.

UN No	Description	Class	PG	Sub risk	I-Code		TP Note	Description of changes
					Old	New		
1165	DIOXANE	3	II		T4	T4	TP1	No change in requirements.
1166	DIOXOLANE	3	II		T4	T4	TP1	No change in requirements.
1169	EXTRACTS, AROMATIC, LIQUID	3	II		T4	T4	TP1 TP8	No change in requirements.
1170	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1173	ETHYL ACETATE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1175	ETHYLBENZENE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1176	ETHYL BORATE	3	II		T4	T4	TP1	No change in requirements.
1179	ETHYL BUTYL ETHER	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2461	METHYLPENTADIENE	3	II		T4	T4	TP1	No change in requirements.
2345	3-BROMOPROPYNE	3	II		T4	T4	TP1	No change in requirements.
1190	ETHYL FORMATE	3	II		T4	T4	TP1	No change in requirements.
1193	ETHYL METHYL KETONE (METHYLETHYL KETONE)	3	II		T4	T4	TP1	No change in requirements.
1195	ETHYL PROPIONATE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1197	EXTRACTS, FLAVOURING, LIQUID	3	II		T4	T4	TP1 TP8	No change in requirements.
2458	HEXADIENE	3	II		T4	T4	TP1	No change in requirements.
1201	FUSEL OIL	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1203	MOTOR SPIRIT or GASOLINE or PETROL	3	II		T4	T4	TP1	No change in requirements.
1206	HEPTANES	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1208	HEXANES	3	II		T4	T4	TP1	No change in requirements.
1210	PRINTING INK, flammable	3	II		T4	T4	TP1 TP8	No change in requirements.
1213	ISOBUTYL ACETATE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1216	ISOOCTENE	3	II		T4	T4	TP1	No change in requirements.
1219	ISOPROPANOL (ISOPROPYL ALCOHOL)	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1220	ISOPROPYL ACETATE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1224	KETONES, LIQUID, N.O.S.	3	II		T4	T7	TP1 TP8 TP28	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1231	METHYL ACETATE	3	II		T4	T4	TP1	No change in requirements.
1234	METHYLAL.	3	II		T13	T7	TP2	No change in requirements.
1237	METHYL BUTYRATE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2377	1,1-DIMETHOXYETHANE	3	II		T13	T7	TP1	No change in requirements.
2277	ETHYL METHACRYLATE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
1245	METHYL ISOBUTYL KETONE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1246	METHYL ISOPROPENYL KETONE, INHIBITED	3	II		T4	T4	TP1	No change in requirements.
1247	METHYL METHACRYLATE MONOMER, INHIBITED	3	II		T4	T4	TP1	No change in requirements.
1248	METHYL PROPIONATE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1249	METHYL PROPYL KETONE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1262	OCTANES	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	3	II		T4	T4	TP1 TP8	No change in requirements.
1265	PENTANES, liquid	3	II		T4	T4	TP1	No change in requirements.
1266	PERFUMERY PRODUCTS with flammable solvents	3	II		T4	T4	TP1 TP8	No change in requirements.
1267	PETROLEUM CRUDE OIL	3	II		T4	T4	TP1 TP8	No change in requirements.
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	II		T4	T7	TP1 TP8 TP9 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
1274	n-PROPANOL (PROPYL ALCOHOL, NORMAL)	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1275	PROPIONALDEHYDE	3	II		T13	T7	TP1	No change in requirements.
1276	n-PROPYL ACETATE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1278	PROPYL CHLORIDE	3	II		T13	T7	TP2	No change in requirements.
1281	PROPYL FORMATES	3	II		T4	T4	TP1	No change in requirements.
1282	PYRIDINE	3	II		T4	T4	TP2	No change in requirements.
1286	ROSIN OIL	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1287	RUBBER SOLUTION	3	II		T4	T4	TP1 TP8	No change in requirements.
1288	SHALE OIL	3	II		T4	T4	TP1 TP8	No change in requirements.
1293	TINCTURES, MEDICINAL	3	II		T4	T4	TP1 TP8	No change in requirements.
1294	TOLUENE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1300	TURPENTINE SUBSTITUTE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1301	VINYL ACETATE, INHIBITED	3	II		T4	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1304	VINYL ISOBUTYL ETHER, INHIBITED	3	II		T4	T4	TP1	No change in requirements.
1306	WOOD PRESERVATIVES, LIQUID	3	II		T4	T4	TP1 TP8	No change in requirements.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
1307	XYLENES	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
3271	ETHERS, N.O.S.	3	II		T4	T7	TP1 TP8 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
2263	DIMETHYLCYCLOHEXANES	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2612	METHYL PROPYL ETHER	3	II		T13	T7	TP2	No change in requirements.
2278	n-HEPTENE	3	II		T4	T4	TP1	No change in requirements.
2256	CYCLOHEXENE	3	II		T4	T4	TP1	No change in requirements.
2615	ETHYL PROPYL ETHER	3	II		T4	T4	TP1	No change in requirements.
2436	THIOACETIC ACID	3	II		T4	T4	TP1	No change in requirements.
2416	TRIMETHYL BORATE	3	II		T13	T7	TP1	No change in requirements.
2414	THIOPHENE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2412	TETRAHYDROTHIOPHENE	3	II		T4	T4	TP1	No change in requirements.
2409	ISOPROPYL PROPIONATE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2406	ISOPROPYL ISOBUTYRATE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2403	ISOPROPENYL ACETATE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2402	PROPANETHIOLS	3	II		T4	T4	TP1 TP13	No change in requirements.
2536	METHYL TETRAHYDROFURAN	3	II		T4	T4	TP1	No change in requirements.
2400	METHYL ISOVALERATE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2398	METHYL tert-BUTYL ETHER	3	II		T13	T7	TP1	No change in requirements.
1648	ACETONITRILE	3	II		T13	T7	TP2	No change in requirements.
2393	ISOBUTYL FORMATE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2391	IODOMETHYLPROPANES	3	II		T4	T4	TP1	No change in requirements.
2388	FLUOROTOLUENES	3	II		T4	T4	TP1	No change in requirements.
2387	FLUOROBENZENE	3	II		T4	T4	TP1	No change in requirements.
2385	ETHYL ISOBUTYRATE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2384	DI-n-PROPYL ETHER	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2381	DIMETHYL DISULPHIDE	3	II		T4	T4	TP1	No change in requirements.
2380	DIMETHYLDIETHOXY SILANE	3	II		T4	T4	TP1	No change in requirements.
2375	DIETHYL SULPHIDE	3	II		T13	T7	TP1 TP13	No change in requirements.
2373	DIETHOXYMETHANE	3	II		T4	T4	TP1	No change in requirements.
2367	alpha-METHYLVALERALDEHYDE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2358	CYCLOOCTATETRAENE	3	II		T4	T4	TP1	No change in requirements.
2374	3,3-DIETHOXYPROPENE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2397	3-METHYLBUTAN-2-ONE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2457	2,3-DIMETHYLBUTANE	3	II		T13	T7	TP1	No change in requirements.

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					Old	New		
2376	2,3-DIHYDROPYRAN	3	II		T4	T4	TP1	No change in requirements.
2460	2-METHYL-2-BUTENE	3	II		T13	T7	TP1	No change in requirements.
1150	1,2-DICHLOROETHYLENE	3	II		T13	T7	TP2	No change in requirements.
2246	CYCLOPENTENE	3	II		T13	T7	TP2	No change in requirements.
3022	1,2-BUTYLENE OXIDE, STABILIZED	3	II		T4	T4	TP1	No change in requirements.
2352	BUTYL VINYL ETHER, INHIBITED	3	II		T4	T4	TP1	No change in requirements.
2372	1,2-DI-(DIMETHYLAMINO) ETHANE	3	II		T4	T4	TP1	No change in requirements.
2252	1,2-DIMETHOXYETHANE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1279	1,2-DICHLOROPROPANE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2362	1,1-DICHLOROETHANE	3	II		T4	T4	TP1	No change in requirements.
2058	VALERALDEHYDE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2340	2-BROMOETHYL ETHYL ETHER	3	II		T4	T4	TP1	No change in requirements.
2339	2-BROMOBUTANE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2343	2-BROMOPENTANE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2301	2-METHYLFURAN	3	II		T4	T4	TP1	No change in requirements.
1178	2-ETHYLBUTYRALDEHYDE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2390	2-IODOBUTANE	3	II		T4	T4	TP1	No change in requirements.
2370	1-HEXENE	3	II		T4	T4	TP1	No change in requirements.
1126	1-BROMOBUTANE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	3	II		T4	T7	TP1 TP8 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
3295	HYDROCARBONS, LIQUID, N.O.S.	3	II		T4	T7	TP1 TP8 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
2057	TRIPROPYLENE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2351	BUTYL NITRITES	3	II		T4	T4	TP1	No change in requirements.
2242	CYCLOHEPTENE	3	II		T4	T4	TP1	No change in requirements.
2241	CYCLOHEPTANE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2616	TRISOPROPYL BORATE	3	II		T4	T4	TP1	No change in requirements.
2350	BUTYL METHYL ETHER	3	II		T4	T4	TP1	No change in requirements.
2347	BUTYL MERCAPTAN	3	II		T4	T4	TP1	No change in requirements.
2346	BUTANEDIONE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2344	BROMOPROPANES	3	II		T4	T4	TP1	No change in requirements.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
3065	ALCOHOLIC BEVERAGES, with more than 70% alcohol by volume	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2287	ISOHEPTENE	3	II		T4	T4	TP1	No change in requirements.
2288	ISOHEXENE	3	II		T24	T11	TP1	No change in requirements.
2296	METHYLCYCLOHEXANE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2298	METHYLCYCLOPENTANE	3	II		T4	T4	TP1	No change in requirements.
2342	BROMOMETHYLPROPANES	3	II		T4	T4	TP1	No change in requirements.
2338	BENZOTRIFLUORIDE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1862	ETHYL CROTONATE	3	II		T13	T4	TP2	Minimum test pressure decreased from 4 bar to 2.65 bar.
1863	FUEL, AVIATION, TURBINE ENGINE	3	II		T4	T4	TP1 TP8	No change in requirements.
1866	RESIN SOLUTION, flammable	3	II		T4	T4	TP1 TP8	No change in requirements.
1999	TARS, LIQUID, including road asphalt and oils, bitumen and cut backs	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1917	ETHYL ACRYLATE, INHIBITED	3	II		T4	T4	TP1 TP13	No change in requirements.
1919	METHYL ACRYLATE, INHIBITED	3	II		T4	T4	TP1 TP13	No change in requirements.
2554	METHYLALLYL CHLORIDE	3	II		T4	T4	TP1 TP13	No change in requirements.
2838	VINYL BUTYRATE, INHIBITED	3	II		T4	T4	TP1	No change in requirements.
1987	ALCOHOLS, N.O.S.	3	II		T4	T7	TP1 TP8 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
1989	ALDEHYDES, N.O.S.	3	II		T4	T7	TP1 TP8 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
1993	FLAMMABLE LIQUID, N.O.S.	3	II		T4	T7	TP1 TP8 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
2707	DIMETHYLDIOXANES	3	II		T4	T4	TP1	No change in requirements.
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	3	II		T4	T4	TP1 TP8	No change in requirements.
2309	OCTADIENE	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2056	TETRAHYDROFURAN	3	II		T4	T4	TP1	No change in requirements.
2045	ISOBUTYRALDEHYDE (ISOBUTYL ALDEHYDE)	3	II		T4	T4	TP1	No change in requirements.
2047	DICHLOROPROPENES	3	II		T4	T4	TP1	No change in requirements.
2050	DIISOBUTYLENE, ISOMERIC COMPOUNDS	3	II		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1230	METHANOL	3	II	6.1	T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.

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					Old	New		
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	II	6.1, 8	T13	T11	TP2 TP13 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2284	ISOBUTYRONITRILE	3	II	6.1	T14	T7	TP2 TP13	A frangible disc would no longer be required in series with the relief device.
2622	GLYCIDALDEHYDE	3	II	6.1	T4	T7	TP1	Minimum test pressure increased from 2.65 bar to 4 bar.
3273	NITRILES, FLAMMABLE, TOXIC, N.O.S.	3	II	6.1	T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2378	2-DIMETHYLAMINOACETO-NITRILE	3	II	6.1	T4	T7	TP1	Minimum test pressure increased from 2.65 bar to 4 bar.
2603	CYCLOHEPTATRIENE	3	II	6.1	T13	T7	TP1 TP13	No change in requirements.
2396	METHACRYLALDEHYDE, INHIBITED	3	II	6.1	T4	T7	TP1 TP13	Minimum test pressure increased from 2.65 bar to 4 bar.
2359	DIALLYLAMINE	3	II	6.1, 8	T4	T7	TP1	Minimum test pressure increased from 2.65 bar to 4 bar.
2354	CHLOROMETHYL ETHYL ETHER	3	II	6.1	T4	T7	TP1 TP13	Minimum test pressure increased from 2.65 bar to 4 bar.
2411	BUTYRONITRILE	3	II	6.1	T13	T7	TP1 TP13	No change in requirements.
2335	ALLYL ETHYL ETHER	3	II	6.1	T4	T7	TP1 TP13	Minimum test pressure increased from 2.65 bar to 4 bar.
2486	ISOBUTYL ISOCYANATE	3	II	6.1	T5	T22	TP2 TP13	Minimum test pressure increased from 2.65 bar to 10 bar. The minimum shell thickness would be 10mm in all cases regardless of the tank diameter. <b>Bottom openings would not be allowed. A frangible disc would be required in series with the relief device due to the inhalation toxicity risk.</b>
2404	PROPIONITRILE	3	II	6.1	T13	T7	TP1 TP13	No change in requirements.
1228	MERCAPTANS, LIQUID, FLAMMABLE, TOXIC, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	II	6.1	T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	II	6.1	T16	T7	TP2	Bottom openings would be allowed and would require three effective means of closure. A frangible disc would no longer be required in series with the relief device.
2360	DIALLYL ETHER	3	II	6.1	T4	T7	TP1 TP13	Minimum test pressure increased from 2.65 bar to 4 bar.
2333	ALLYL ACETATE	3	II	6.1	T4	T7	TP1 TP13	Minimum test pressure increased from 2.65 bar to 4 bar.
1184	ETHYLENE DICHLORIDE	3	II	6.1	T13	T7	TP1	No change in requirements.
2478	ISOCYANATES, FLAMMABLE, TOXIC, N.O.S. or ISOCYANATE SOLUTION, FLAMMABLE, TOXIC, N.O.S.	3	II	6.1	T15	T11	TP2 TP13 TP27	Minimum test pressure increased from 4 bar to 6 bar. Bottom openings would be allowed and would require three effective means of closure.
2493	HEXAMETHYLENEIMINE	3	II	8	T4	T7	TP1	Minimum test pressure increased from 2.65 bar to 4 bar.
1125	n-BUTYLAMINE	3	II	8	T4	T7	TP1	Minimum test pressure increased from 2.65 bar to 4 bar.
1289	SODIUM METHYLATE SOLUTION in alcohol	3	II	8	T4	T7	TP1 TP8	Minimum test pressure increased from 2.65 bar to 4 bar.
1106	AMYLAMINE	3	II	8	T2	T7	TP1	Minimum test pressure increased from 1.5 bar to 4 bar.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
1158	DIISOPROPYLAMINE	3	II	8	T4	T7	TP1	Minimum test pressure increased from 2.65 bar to 4 bar.
2266	DIMETHYL-N-PROPYLAMINE	3	II	8	T17	T7	TP2 TP13	The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2270	ETHYLAMINE, AQUEOUS SOLUTION with not less than 50% but not more than 70% ethylamine	3	II	8	T13	T7	TP1	No change in requirements.
1296	TRIETHYLAMINE	3	II	8	T4	T7	TP1	Minimum test pressure increased from 2.65 bar to 4 bar.
2395	ISOBUTYRYL CHLORIDE	3	II	8	T8	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. Bottom openings would be allowed and would require three effective means of closure.
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	3	II	8	T13	T7	TP1	No change in requirements.
1298	TRIMETHYLCHLOROSILANE	3	II	8	T17	T7	TP2 TP13	The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1154	DIETHYLAMINE	3	II	8	T4	T7	TP1	Minimum test pressure increased from 2.65 bar to 4 bar.
1196	ETHYLTRICHLOROSILANE	3	II	8	T19	T7	TP2 TP13	The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. Bottom openings would be allowed and would require three effective means of closure.
1214	ISOBUTYLAMINE	3	II	8	T4	T7	TP1	Minimum test pressure increased from 2.65 bar to 4 bar.
1235	METHYLAMINE, AQUEOUS SOLUTION	3	II	8	T4	T7	TP1	Minimum test pressure increased from 2.65 bar to 4 bar.
1717	ACETYL CHLORIDE	3	II	8	T20	T8	TP2 TP12	The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. A frangible disc would no longer be required in series with the relief device.
2383	DIPROPYLAMINE	3	II	8	T4	T7	TP1	Minimum test pressure increased from 2.65 bar to 4 bar.
1162	DIMETHYLDICHLOROSILANE	3	II	8	T19	T7	TP2 TP13	The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. Bottom openings would be allowed and would require three effective means of closure.
1160	DIMETHYLAMINE AQUEOUS SOLUTION	3	II	8	T4	T7	TP1	Minimum test pressure increased from 2.65 bar to 4 bar.
1277	PROPYLAMINE	3	II	8	T13	T7	TP1	No change in requirements.
1723	ALLYL IODIDE	3	II	8	T16	T7	TP2	Bottom openings would be allowed and would require three effective means of closure. A frangible disc would no longer be required in series with the relief device.
2399	1-METHYLPIPERIDINE	3	II	8	T4	T7	TP1	Minimum test pressure increased from 2.65 bar to 4 bar.
2379	1,3-DIMETHYLBUTYLAMINE	3	II	8	T4	T7	TP1	Minimum test pressure increased from 2.65 bar to 4 bar.



UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3	II	8	T4	T11	TP1 TP27	Minimum test pressure increased from 4 bar to 6 bar.
1922	PYRROLIDINE	3	II	8	T2	T7	TP1	Minimum test pressure increased from 1.5 bar to 4 bar.
2535	4-METHYLMORPHOLINE (N-METHYLMORPHOLINE)	3	II	8	T4	T7	TP1	Minimum test pressure increased from 2.65 bar to 4 bar.
2945	N-METHYLBUTYLAMINE	3	II	8	T4	T7	TP1	Minimum test pressure increased from 2.65 bar to 4 bar.
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	II	8	T19	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. Bottom openings would be allowed and would require three effective means of closure.
2386	1-ETHYLPYPERIDINE	3	II	8	T4	T7	TP1	Minimum test pressure increased from 2.65 bar to 4 bar.
1815	PROPIONYL CHLORIDE	3	II	8	T7	T7	TP1	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2353	BUTYRYL CHLORIDE	3	II	8	T8	T8	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2985	CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S.	3	II	8	T13	T11	TP2 TP13 TP27	Minimum test pressure increased from 4 bar to 6 bar.
1104	AMYL ACETATES	3	III		T2	T2	TP1	No change in requirements.
1105	PENTANOLS	3	III		T2	T2	TP1	No change in requirements.
1109	AMYL FORMATES	3	III		T2	T2	TP1	No change in requirements.
1110	n-AMYL METHYL KETONE	3	III		T2	T2	TP1	No change in requirements.
1112	AMYL NITRATE	3	III		T2	T2	TP1	No change in requirements.
1120	BUTANOLS	3	III		T2	T2	TP1	No change in requirements.
1123	BUTYL ACETATES	3	III		T2	T2	TP1	No change in requirements.
1130	CAMPHOR OIL	3	III		T2	T2	TP1	No change in requirements.
1133	ADHESIVES containing flammable liquid	3	III		T2	T2	TP1	No change in requirements.
1134	CHLOROBENZENE	3	III		T2	T2	TP1	No change in requirements.
1136	COAL TAR DISTILLATES, FLAMMABLE	3	III		T4	T4	TP1	Minimum test pressure decreased from 2.65 bar to 1.5 bar.
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	3	III		T2	T2	TP1	No change in requirements.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
1147	DECAHYDRONAPHTHALENE	3	III		T2	T2	TP1	No change in requirements.
1148	DIACETONE ALCOHOL	3	III		T2	T2	TP1	No change in requirements.
1149	DIBUTYL ETHERS	3	III		T2	T2	TP1	No change in requirements.
1152	DICHLOROPENTANES	3	III		T2	T2	TP1	No change in requirements.
1153	ETHYLENE GLYCOL DIETHYL ETHER	3	III		T2	T2	TP1	No change in requirements.
1157	DIISOBUTYL KETONE	3	III		T2	T2	TP1	No change in requirements.
1169	EXTRACTS, AROMATIC, LIQUID	3	III		T2	T2	TP1	No change in requirements.
1170	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	3	III		T2	T2	TP1	No change in requirements.
1171	ETHYLENE GLYCOL MONOETHYL ETHER	3	III		T2	T2	TP1	No change in requirements.
1172	ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	3	III		T2	T2	TP1	No change in requirements.
1177	ETHYLBUTYL ACETATE	3	III		T2	T2	TP1	No change in requirements.
1180	ETHYL BUTYRATE	3	III		T2	T2	TP1	No change in requirements.
1188	ETHYLENE GLYCOL MONOMETHYL ETHER	3	III		T2	T2	TP1	No change in requirements.
1189	ETHYLENE GLYCOL MONOMETHYL ETHER ACETATE	3	III		T2	T2	TP1	No change in requirements.
1191	OCTYL ALDEHYDES	3	III		T2	T2	TP1	No change in requirements.
1192	ETHYL LACTATE	3	III		T2	T2	TP1	No change in requirements.
1197	EXTRACTS, FLAVOURING, LIQUID	3	III		T2	T2	TP1	No change in requirements.
1201	FUSEL OIL	3	III		T2	T2	TP1	No change in requirements.
1202	GAS OIL or DIESEL FUEL or HEATING OIL LIGHT	3	III		T2	T2	TP1	No change in requirements.
1207	HEXALDEHYDE	3	III		T2	T2	TP1	No change in requirements.
1210	PRINTING INK, flammable	3	III		T2	T2	TP1	No change in requirements.
1212	ISOBUTANOL (ISOBUTYL ALCOHOL)	3	III		T2	T2	TP1	No change in requirements.
1223	KEROSENE	3	III		T2	T2	TP2	No change in requirements.
1224	KETONES, LIQUID, N.O.S.	3	III		T2	T4	TP1 TP29	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1229	MESITYL OXIDE	3	III		T2	T2	TP1	No change in requirements.
1233	METHYLAMYL ACETATE	3	III		T2	T2	TP1	No change in requirements.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	3	III		T2	T2	TP1	No change in requirements.
1264	PARALDEHYDE	3	III		T2	T2	TP1	No change in requirements.
1266	PERFUMERY PRODUCTS with flammable solvents	3	III		T2	T2	TP1	No change in requirements.
1267	PETROLEUM CRUDE OIL	3	III		T2	T2	TP1	No change in requirements.
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	III		T2	T4	TP1 TP9 TP29	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1272	PINE OIL	3	III		T2	T2	TP1	No change in requirements.
1274	n-PROPANOL (PROPYL ALCOHOL, NORMAL)	3	III		T2	T2	TP1	No change in requirements.
1286	ROSIN OIL	3	III		T2	T2	TP1	No change in requirements.
1287	RUBBER SOLUTION	3	III		T2	T2	TP1	No change in requirements.
1288	SHALE OIL	3	III		T2	T2	TP1	No change in requirements.
1292	TETRAETHYL SILICATE	3	III		T2	T2	TP1	No change in requirements.
1293	TINCTURES, MEDICINAL	3	III		T2	T2	TP1	No change in requirements.
1299	TURPENTINE	3	III		T2	T2	TP1	No change in requirements.
1300	TURPENTINE SUBSTITUTE	3	III		T2	T2	TP1	No change in requirements.
1306	WOOD PRESERVATIVES, LIQUID	3	III		T2	T2	TP1	No change in requirements.
1307	XYLENES	3	III		T2	T2	TP1	No change in requirements.
3256	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flash point above 60.5 °C, at or above its flash point	3	III		T2	T4	TP3 TP11 TP29	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2057	TRIPROPYLENE	3	III		T2	T2	TP1	No change in requirements.
2265	N,N-DIMETHYLFORMAMIDE	3	III		T2	T2	TP2	No change in requirements.
2614	METHALLYL ALCOHOL	3	III		T2	T2	TP1	No change in requirements.
2282	HEXANOLS	3	III		T2	T2	TP1	No change in requirements.
2514	BROMOBENZENE	3	III		T2	T2	TP1	No change in requirements.
2520	CYCLOCTADIENES	3	III		T2	T2	TP1	No change in requirements.
2524	ETHYL ORTHOFORMATE	3	III		T2	T2	TP1	No change in requirements.
2527	ISOBUTYL ACRYLATE, INHIBITED	3	III		T2	T2	TP1	No change in requirements.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2528	ISOBUTYL ISOBUTYRATE	3	III		T2	T2	TP1	No change in requirements.
2413	TETRAPROPYL ORTHOTITANATE	3	III		T4	T4	TP1	No change in requirements.
2405	ISOPROPYL BUTYRATE	3	III		T2	T2	TP1	No change in requirements.
2498	1,2,3,6-TETRAHYDROBENZALDEHYDE	3	III		T2	T2	TP1	No change in requirements.
2394	ISOBUTYL PROPIONATE	3	III		T2	T2	TP1	No change in requirements.
2392	IODOPROPANES	3	III		T4	T2	TP1	Minimum test pressure decreased from 2.65 bar to 1.5 bar.
2368	alpha-PINENE	3	III		T2	T2	TP1	No change in requirements.
2366	DIETHYL CARBONATE	3	III		T2	T2	TP1	No change in requirements.
2364	n-PROPYLBENZENE	3	III		T2	T2	TP1	No change in requirements.
2271	ETHYL AMYL KETONE	3	III		T2	T2	TP1	No change in requirements.
2293	4-METHOXY-4-METHYLPENTAN-2-ONE	3	III		T2	T2	TP1	No change in requirements.
2325	1,3,5-TRIMETHYLBENZENE	3	III		T2	T2	TP1	No change in requirements.
2752	1,2-EPOXY-3-ETHOXYPROPANE	3	III		T2	T2	TP1	No change in requirements.
2302	5-METHYLHEXAN-2-ONE	3	III		T2	T2	TP1	No change in requirements.
2541	TERPINOLENE	3	III		T2	T2	TP1	No change in requirements.
2560	2-METHYLPENTAN-2-OL	3	III		T2	T2	TP1	No change in requirements.
2341	1-BROMO-3-METHYLBUTANE	3	III		T2	T2	TP1	No change in requirements.
3092	1-METHOXY-2-PROPANOL	3	III		T2	T2	TP1	No change in requirements.
2247	n-DECANE	3	III		T2	T2	TP1	No change in requirements.
2351	BUTYL NITRITES	3	III		T2	T2	TP1	No change in requirements.
2245	CYCLOPENTANONE	3	III		T2	T2	TP1	No change in requirements.
2275	2-ETHYLBUTANOL	3	III		T2	T2	TP1	No change in requirements.
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	3	III		T2	T4	TP1 TP29	Minimum test pressure increased from 1.5 bar to 2.65 bar.
3295	HYDROCARBONS, LIQUID, N.O.S.	3	III		T2	T4	TP1 TP29	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2244	CYCLOPENTANOL	3	III		T2	T2	TP1	No change in requirements.
3272	ESTERS, N.O.S.	3	III		T2	T4	TP1 TP29	Minimum test pressure increased from 1.5 bar to 2.65 bar.
3271	ETHERS, N.O.S.	3	III		T2	T4	TP1 TP29	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2332	ACETALDEHYDE OXIME	3	III		T4	T4	TP1	No change in requirements.
2243	CYCLOHEXYL ACETATE	3	III		T2	T2	TP1	No change in requirements.
2283	ISOBUTYL METHACRYLATE, INHIBITED	3	III		T2	T2	TP1	No change in requirements.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2238	CHLOROTOLUENES	3	III		T2	T2	TP1	No change in requirements.
2234	CHLOROBENZOTRIFLUORIDES	3	III		T2	T2	TP1	No change in requirements.
2227	n-BUTYL METHACRYLATE, INHIBITED	3	III		T2	T2	TP1	No change in requirements.
2616	TRISOPROPYL BORATE	3	III		T2	T2	TP1	No change in requirements.
2617	METHYLCYCLOHEXANOLS, flammable	3	III		T2	T2	TP1	No change in requirements.
2286	PENTAMETHYLHEPTANE	3	III		T2	T2	TP1	No change in requirements.
2222	ANISOLE	3	III		T2	T2	TP1	No change in requirements.
2219	ALLYL GLYCIDYL ETHER	3	III		T4	T2	TP1	Minimum test pressure decreased from 2.65 bar to 1.5 bar.
2618	VINYLTOLUENES, INHIBITED	3	III		T2	T2	TP1	No change in requirements.
1914	BUTYL PROPIONATES	3	III		T2	T2	TP1	No change in requirements.
1915	CYCLOHEXANONE	3	III		T2	T2	TP1	No change in requirements.
2620	AMYL BUTYRATES	3	III		T2	T2	TP1	No change in requirements.
2348	BUTYL ACRYLATES, INHIBITED	3	III		T4	T2	TP1	Minimum test pressure decreased from 2.65 bar to 1.5 bar.
2344	BROMOPANES	3	III		T2	T2	TP1	No change in requirements.
2621	ACETYL METHYL CARBINOL	3	III		T2	T2	TP1	No change in requirements.
3065	ALCOHOLIC BEVERAGES, with more than 24% but not more than 70% alcohol by volume	3	III					No change in requirements.
3056	n-HEPTALDEHYDE	3	III		T2	T2	TP1	No change in requirements.
3054	CYCLOHEXYL MERCAPTAN	3	III		T2	T2	TP1	No change in requirements.
2608	NITROPROPANES	3	III		T2	T2	TP1	No change in requirements.
2297	METHYLCYCLOHEXANONE	3	III		T2	T2	TP1	No change in requirements.
2947	ISOPROPYL CHLOROACETATE	3	III		T2	T2	TP1	No change in requirements.
2943	TETRAHYDROFURFURYLAMINE	3	III		T2	T2	TP1	No change in requirements.
2935	ETHYL 2-CHLOROPROPIONATE	3	III		T2	T2	TP1	No change in requirements.
2934	ISOPROPYL 2-CHLOROPROPIONATE	3	III		T2	T2	TP1	No change in requirements.
2933	METHYL 2-CHLOROPROPIONATE	3	III		T4	T2	TP1	Minimum test pressure decreased from 2.65 bar to 1.5 bar.
1863	FUEL, AVIATION, TURBINE ENGINE	3	III		T2	T2	TP1	No change in requirements.
1866	RESIN SOLUTION, flammable	3	III		T2	T2	TP1	No change in requirements.
2303	ISOPROPENYLBENZENE	3	III		T2	T2	TP1	No change in requirements.
2330	UNDECANE	3	III		T2	T2	TP1	No change in requirements.
2329	TRIMETHYL PHOSPHITE	3	III		T2	T2	TP1	No change in requirements.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2850	PROPYLENE TETRAMER	3	III		T2	T2	TP1	No change in requirements.
2842	NITROETHANE	3	III		T4	T2	TP1	Minimum test pressure decreased from 2.65 bar to 1.5 bar.
2840	BUTYRALDOXIME	3	III		T2	T2	TP1	No change in requirements.
1993	FLAMMABLE LIQUID, N.O.S.	3	III		T2	T4	TP1 TP29	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1918	ISOPROPYL BENZENE	3	III		T2	T2	TP1	No change in requirements.
1920	NONANES	3	III		T2	T2	TP1	No change in requirements.
2324	TRISOBUTYLENE	3	III		T4	T4	TP1	No change in requirements.
1987	ALCOHOLS, N.O.S.	3	III		T2	T4	TP1 TP29	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1989	ALDEHYDES, N.O.S.	3	III		T2	T4	TP1 TP29	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2709	BUTYLBENZENES	3	III		T2	T2	TP1	No change in requirements.
2707	DIMETHYLDIOXANES	3	III		T2	T2	TP1	No change in requirements.
1999	TARS, LIQUID, including road asphalt and oils, bitumen and cut backs	3	III		T2	T2	TP1	No change in requirements.
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	3	III		T2	T2	TP1	No change in requirements.
2323	TRIETHYL PHOSPHITE	3	III		T2	T2	TP1	No change in requirements.
2319	TERPENE HYDROCARBONS, N.O.S.	3	III		T2	T4	TP1 TP29	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2313	PICOLINES	3	III		T4	T4	TP1	No change in requirements.
2710	DIPROPYL KETONE	3	III		T2	T2	TP1	No change in requirements.
2047	DICHLOROPROPENES	3	III		T2	T2	TP1	No change in requirements.
2055	STYRENE MONOMER, INHIBITED	3	III		T2	T2	TP1	No change in requirements.
2607	ACROLEIN DIMER, STABILIZED	3	III		T2	T2	TP1	No change in requirements.
2046	CYMENES	3	III		T2	T2	TP1	No change in requirements.
2048	DICYCLOPENTADIENE	3	III		T2	T2	TP1	No change in requirements.
2049	DIETHYLBENZENE	3	III		T2	T2	TP1	No change in requirements.
2052	DIPENTENE	3	III		T2	T2	TP1	No change in requirements.
2053	METHYL ISOBUTYL CARBINOL	3	III		T2	T2	TP1	No change in requirements.
2054	MORPHOLINE	8	I	3	T20	T10	TP2 TP9	No change in requirements.
2841	DI-n-AMYLAMINE	3	III	6.1	T4	T4	TP1	No change in requirements.
1228	MERCAPTANS, LIQUID, FLAMMABLE, TOXIC, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	III	6.1	T4	T7	TP1 TP28	No change in requirements.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2478	ISOCYANATES, FLAMMABLE, TOXIC, N.O.S. or ISOCYANATE SOLUTION, FLAMMABLE, TOXIC, N.O.S.	3	III	6.1	T4	T7	TP1 TP13 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	III	6.1	T16	T7	TP1 TP13 TP28	Bottom openings would be allowed and would require three effective means of closure. A frangible disc would no longer be required in series with the relief device.
2310	PENTANE-2,4-DIONE	3	III	6.1	T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2260	TRIPROPYLAMINE	3	III	8	T4	T4	TP1	No change in requirements.
2526	FURFURYLAMINE	3	III	8	T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1106	AMYLAMINE	3	III	8	T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2276	2-ETHYLHEXYLAMINE	3	III	8	T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2529	ISOBUTYRIC ACID	3	III	8	T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2530	ISOBUTYRIC ANHYDRIDE	3	III	8	T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2610	TRIALLYLAMINE	3	III	8	T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	III	8	T19	T7	TP1 TP28	The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. Bottom openings would be allowed and would require three effective means of closure.
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3	III	8	T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
1289	SODIUM METHYLATE SOLUTION in alcohol	3	III	8	T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2361	DIISOBUTYLAMINE	3	III	8	T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2684	DIETHYLAMINOPROPYLAMINE	3	III	8	T4	T4	TP1	No change in requirements.
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	3	III	8	T13	T7	TP1	No change in requirements.
1198	FORMALDEHYDE SOLUTION, FLAMMABLE	3	III	8	T4	T4	TP1	No change in requirements.
3176	FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.	4.1	II		T5	T3	TP3 TP11 TP26	Bottom openings would be allowed and would require two effective means of closure.
1325	FLAMMABLE SOLID, ORGANIC, N.O.S.	4.1	II		T13	T3	TP1	Minimum test pressure decreased from 4 bar to 2.65 bar. Bottom opening requirements changed from three effective means of closure to two.
1350	SULPHUR	4.1	III		T1	T1	TP1	No change in requirements.
3176	FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.	4.1	III		T5	T1	TP3 TP11 TP26	Bottom openings would be allowed and would require two effective means of closure.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
1325	FLAMMABLE SOLID, ORGANIC, N.O.S.	4.1	III		T13	T1	TP1	Minimum test pressure decreased from 4 bar to 1.5 bar. Bottom opening requirements changed from three effective means of closure to two.
2448	SULPHUR, MOLTEN	4.1	III		T5	T1	TP3 TP11	Bottom openings would be allowed and would require two effective means of closure.
2304	NAPHTHALENE, MOLTEN	4.1	III		T4	T1	TP3 TP11	Bottom opening requirements changed from three effective means of closure to two.
1366	DIETHYLZINC	4.2	I	4.3	T32	T21	TP2 TP7	No change in requirements.
3050	METAL ALKYL HYDRIDES, WATER-REACTIVE, N.O.S. or METAL ARYL HYDRIDES, WATER-REACTIVE, N.O.S.	4.2	I	4.3	T32	T21	TP2 TP7	No change in requirements.
1370	DIMETHYLZINC	4.2	I	4.3	T32	T21	TP2 TP7	No change in requirements.
3053	MAGNESIUM ALKYL	4.2	I	4.3	T32	T21	TP2 TP7	No change in requirements.
2003	METAL ALKYL, WATER-REACTIVE, N.O.S. or METAL ARYL, WATER-REACTIVE, N.O.S.	4.2	I	4.3	T32	T21	TP2 TP7	No change in requirements.
3052	ALUMINIUM ALKYL HALIDES	4.2	I	4.3	T32	T21	TP2 TP7	No change in requirements.
3076	ALUMINIUM ALKYL HYDRIDES	4.2	I	4.3	T32	T21	TP2 TP7	No change in requirements.
3049	METAL ALKYL HALIDES, WATER-REACTIVE, N.O.S. or METAL ARYL HALIDES, WATER-REACTIVE, N.O.S.	4.2	I	4.3	T32	T21	TP2 TP7	No change in requirements.
2445	LITHIUM ALKYL	4.2	I	4.3	T32	T21	TP2 TP7	No change in requirements.
3051	ALUMINIUM ALKYL	4.2	I	4.3	T32	T21	TP2 TP7	No change in requirements.
3203	PYROPHORIC ORGANOMETALLIC COMPOUND, WATER-REACTIVE, N.O.S.	4.2	I	4.3	T32	T21	TP2 TP7	No change in requirements.
2447	PHOSPHORUS, WHITE, MOLTEN	4.2	I	6.1	T19	T21	TP3 TP7 TP11 TP26	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 10 mm.
1381	PHOSPHORUS, WHITE or YELLOW, DRY or UNDER WATER or IN SOLUTION	4.2	I	6.1	T19	T21	TP3	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 10 mm.
1422	POTASSIUM SODIUM ALLOYS	4.3	I		T19	T9	TP3 TP7	No change in requirements.
1428	SODIUM	4.3	I		T19	T9	TP3 TP7	No change in requirements.
2257	POTASSIUM	4.3	I		T19	T9	TP3 TP7	No change in requirements.
2965	BORON TRIFLUORIDE DIMETHYL ETHERATE	4.3	I	3, 8	T20	T10	TP2 TP7	No change in requirements.
1242	METHYLDICHLOROSILANE	4.3	I	3, 8	T20	T10	TP2 TP7 TP13	No change in requirements.



UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
3207	ORGANOMETALLIC COMPOUND or COMPOUND SOLUTION or COMPOUND DISPERSION, WATER-REACTIVE, FLAMMABLE, N.O.S.	4.3	I	3	T32	T13	TP2 TP7	Minimum test pressure decreased from 10 bar to 6bar. The minimum shell thickness would be decreased from 10mm to 6mm.
2988	CHLOROSILANES, WATER-REACTIVE, FLAMMABLE, CORROSIVE, N.O.S.	4.3	I	3, 8	T20	T10	TP2 TP7	No change in requirements.
1183	ETHYLDICHLOROSILANE	4.3	I	3, 8	T20	T10	TP2 TP7 TP13	No change in requirements.
1295	TRICHLOROSILANE	4.3	I	3, 8	T29	T14	TP2 TP7 TP13	No change in requirements.
3207	ORGANOMETALLIC COMPOUND or COMPOUND SOLUTION or COMPOUND DISPERSION, WATER-REACTIVE, FLAMMABLE, N.O.S.	4.3	III	3	T32	T11	TP2	Minimum test pressure decreased from 10 bar to 6 bar. The minimum shell thickness would be decreased from 10mm to 6mm. Bottom openings would be allowed and would require three effective means of closure.
3207	ORGANOMETALLIC COMPOUND or COMPOUND SOLUTION or COMPOUND DISPERSION, WATER-REACTIVE, FLAMMABLE, N.O.S.	4.3	III	3	T32	T11	TP2	Minimum test pressure decreased from 10 bar to 6 bar. The minimum shell thickness would be decreased from 10mm to 6mm. Bottom openings would be allowed and would require three effective means of closure.
2426	AMMONIUM NITRATE, LIQUID (hot concentrated solution)	5.1			T14	T7	TP1 TP16 TP17	A frangible disc would no longer be required in series with the relief device.
1745	BROMINE PENTAFLUORIDE	5.1	I	6.1, 8	T23	T22	TP2 TP12 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be decreased from 12mm to 10mm. A frangible disc would continue to be required in series with the relief device due to the inhalation toxicity risk.
1746	BROMINE TRIFLUORIDE	5.1	I	6.1, 8	T23	T20	TP2 TP12 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be decreased from 12mm to 8mm.
2015	HYDROGEN PEROXIDE, STABILIZED or HYDROGEN PEROXIDE, AQUEOUS SOLUTION, STABILIZED with more than 60% hydrogen peroxide	5.1	I	8	T15	T9	TP2 TP6 TP24	The minimum shell thickness would be 6mm in all cases regardless of the tank diameter.
1873	PERCHLORIC ACID with more than 50% but not more than 72% acid, by mass	5.1	I	8	T11	T9	TP1 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be decreased from 8mm to 6mm.
3214	PERMANGANATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II		T4	T4	TP1	No change in requirements.
3219	NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II		T4	T4	TP1	No change in requirements.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
3218	NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II		T4	T4	TP1	No change in requirements.
3210	CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II		T4	T4	TP1	No change in requirements.
3211	PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II		T4	T4	TP1	No change in requirements.
1459	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE	5.1	II		T4	T4	TP1	No change in requirements.
3213	BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II		T4	T4	TP1	No change in requirements.
2428	SODIUM CHLORATE, AQUEOUS SOLUTION	5.1	II		T4	T4	TP1	No change in requirements.
2427	POTASSIUM CHLORATE, AQUEOUS SOLUTION	5.1	II		T4	T4	TP1	No change in requirements.
2429	CALCIUM CHLORATE, AQUEOUS SOLUTION	5.1	II		T4	T4	TP1	No change in requirements.
1470	LEAD PERCHLORATE	5.1	II	6.1	T4	T4	TP1	No change in requirements.
1447	BARIUM PERCHLORATE	5.1	II	6.1	T4	T4	TP1	No change in requirements.
1445	BARIUM CHLORATE	5.1	II	6.1	T4	T4	TP1	No change in requirements.
3149	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE with acid(s), water and not more than 5% peroxyacetic acid, STABILIZED	5.1	II	8	T14	T7	TP2 TP24	A frangible disc would no longer be required in series with the relief device.
2014	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20% but not more than 60% hydrogen peroxide (stabilized as necessary)	5.1	II	8	T13	T7	TP2 TP6 TP24	No change in requirements.
3216	PERSULPHATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
3218	NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	III		T4	T4	TP1	No change in requirements.
3210	CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	III		T4	T4	TP1	No change in requirements.
1459	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE	5.1	III		T4	T4	TP1	No change in requirements.
3211	PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	III		T4	T4	TP1	No change in requirements.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2984	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 8% but less than 20% hydrogen peroxide (stabilized as necessary)	5.1	III		T4	T4	TP1 TP24	No change in requirements.
3213	BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	III		T4	T4	TP1	No change in requirements.
3219	NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	III		T4	T4	TP1	No change in requirements.
2428	SODIUM CHLORATE, AQUEOUS SOLUTION	5.1	III		T4	T4	TP1	No change in requirements.
2427	POTASSIUM CHLORATE, AQUEOUS SOLUTION	5.1	III		T4	T4	TP1	No change in requirements.
2429	CALCIUM CHLORATE, AQUEOUS SOLUTION	5.1	III		T4	T4	TP1	No change in requirements.
3120	ORGANIC PEROXIDE TYPE F, SOLID, TEMPERATURE CONTROLLED	5.2			T34	T23		No change in requirements.
3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED	5.2			T34	T23		No change in requirements.
3110	ORGANIC PEROXIDE TYPE F, SOLID	5.2			T34	T23		No change in requirements.
3109	ORGANIC PEROXIDE TYPE F, LIQUID	5.2			T34	T23		No change in requirements.
1935	CYANIDE SOLUTION, N.O.S.	6.1	I		T20	T14	TP2 TP13	Minimum test pressure increased from 4 bar to 6 bar.
1892	ETHYLDICHLOROARSINE	6.1	I		T29	T20	TP2 TP13	Minimum test pressure increased from 6 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
2317	SODIUM CUPROCYANIDE SOLUTION	6.1	I		T7	T14	TP2 TP13	Minimum test pressure increased from 2.65 bar to 6 bar. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
1689	SODIUM CYANIDE	6.1	I		T20	T14	TP2 TP13	Minimum test pressure increased from 4 bar to 6 bar.
1680	POTASSIUM CYANIDE	6.1	I		T20	T14	TP2 TP13	Minimum test pressure increased from 4 bar to 6 bar.
1672	PHENYL CARBYLAMINE CHLORIDE	6.1	I		T20	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
1670	PERCHLOROMETHYL MERCAPTAN	6.1	I		T20	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
1649	MOTOR FUEL ANTI-KNOCK MIXTURE	6.1	I		T31	T14	TP2 TP13	Minimum test pressure decreased from 10 bar to 6 bar.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
1613	HYDROCYANIC ACID, AQUEOUS SOLUTION (HYDROGEN CYANIDE, AQUEOUS SOLUTION) with not more than 20% hydrogen cyanide	6.1	I		T20	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
1605	ETHYLENE DIBROMIDE	6.1	I		T27	T20	TP2 TP13	Minimum test pressure increased from 6 bar to 10 bar. The minimum shell thickness would be 8mm in all cases regardless of the tank diameter.
1694	BROMOBENZYL CYANIDES	6.1	I		T20	T14	TP2 TP13	Minimum test pressure increased from 4 bar to 6 bar.
1580	CHLOROPICRIN	6.1	I		T20	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
1560	ARSENIC TRICHLORIDE	6.1	I		T20	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
1553	ARSENIC ACID, LIQUID	6.1	I		T22	T20	TP2 TP7 TP13	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be decreased from 8mm to 6mm.
1541	ACETONE CYANOHYDRIN, STABILIZED	6.1	I		T20	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
3006	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T20	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2998	TRIAZINE PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3352	PYRETHROID PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T14	TP2, TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T14	TP2, TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2644	METHYL IODIDE	6.1	I		T16	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be 8mm in all cases regardless of the tank diameter.
2646	HEXACHLOROCYCLO-PENTADIENE	6.1	I		T20	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	I		T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
3285	VANADIUM COMPOUND, N.O.S.	6.1	I		T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3284	TELLURIUM COMPOUND, N.O.S.	6.1	I		T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3283	SELENIUM COMPOUND, N.O.S.	6.1	I		T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3282	ORGANOMETALLIC COMPOUND, TOXIC N.O.S.	6.1	I		T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3281	METAL CARBONYLS, N.O.S.	6.1	I		T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3280	ORGANOARSENIC COMPOUND, N.O.S.	6.1	I		T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3278	ORGANOPHOSPHORUS COMPOUND, TOXIC, N.O.S.	6.1	I		T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2788	ORGANOTIN COMPOUND, LIQUID, N.O.S.	6.1	I		T13	T14	TP2 TP9 TP13	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3276	NITRILES, TOXIC, N.O.S.	6.1	I		T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1	I		T13	T14	TP2 TP13	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
3020	ORGANOTIN PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3018	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3016	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1	I		T13	T14	TP2 TP9 TP13	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3014	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3012	MERCURY BASED PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3010	COPPER BASED PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2232	2-CHLOROETHANAL	6.1	I		T27	T20	TP2 TP13	Minimum test pressure increased from 6 bar to 10 bar. The minimum shell thickness would be 8mm in all cases regardless of the tank diameter.
2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2996	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
1098	ALLYL ALCOHOL	6.1	I	3	T16	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be 8mm in all cases regardless of the tank diameter.
2295	METHYL CHLOROACETATE	6.1	I	3	T16	T14	TP2 TP13	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter.
1092	ACROLEIN, INHIBITED	6.1	I	3	T20	T22	TP2 TP7 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 10mm. A frangible disc would continue to be required in series with the relief device due to the inhalation toxicity risk.
2382	DIMETHYLHYDRAZINE, SYMMETRICAL	6.1	I	3	T20	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
1695	CHLOROACETONE, STABILIZED	6.1	I	3, 8	T30	T20	TP2 TP13	Minimum test pressure increased from 6 bar to 10 bar.
1722	ALLYL CHLOROFORMATE	6.1	I	3, 8	T29	T20	TP2 TP13	Minimum test pressure increased from 6 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
2334	ALLYLAMINE	6.1	I	3	T20	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
2929	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.	6.1	I	3	T15	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. A frangible disc would be required in series with the relief device in all cases.
1239	METHYL CHLOROMETHYL ETHER	6.1	I	3	T20	T22	TP2	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 10mm. A frangible disc would continue to be required in series with the relief device due to the inhalation toxicity risk.
3015	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2488	CYCLOHEXYL ISOCYANATE	6.1	I	3	T20	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
3351	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T14	TP2, TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2438	TRIMETHYLACETYL CHLORIDE	6.1	I	3, 8	T20	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
3013	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3017	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
3347	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T14	TP2, TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2997	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2521	DIKETENE, INHIBITED	6.1	I	3	T16	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be 8mm in all cases regardless of the tank diameter.
3019	ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
1251	METHYL VINYL KETONE, STABILIZED	6.1	I	3, 8	T20	T22	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 10mm. A frangible disc would continue to be required in series with the relief device due to the inhalation toxicity risk.
3023	2-METHYL-2-HEPTANETHIOL	6.1	I	3	T20	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
2487	PHENYL ISOCYANATE	6.1	I	3	T20	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
2485	n-BUTYL ISOCYANATE	6.1	I	3	T26	T20	TP2 TP13	Minimum test pressure increased from 6 bar to 10 bar. The minimum shell thickness would be 8mm in all cases regardless of the tank diameter. A frangible disc would be required in series with the relief device in all cases.
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T20	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3275	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	I	3	T13	T20	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
1244	METHYLHYDRAZINE	6.1	I	3, 8	T20	T22	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 10mm. A frangible disc would continue to be required in series with the relief device due to the inhalation toxicity risk.



UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2482	n-PROPYL ISOCYANATE	6.1	I	3	T29	T22	TP2 TP13	Minimum test pressure increased from 6 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 10mm. A frangible disc would continue to be required in series with the relief device due to the inhalation toxicity risk.
2477	METHYL ISOTHIOCYANATE	6.1	I	3	T20	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
2337	PHENYL MERCAPTAN	6.1	I	3	T20	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
2606	METHYL ORTHOSILICATE	6.1	I	3	T29	T20	TP2 TP13	Minimum test pressure increased from 6 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
2484	tert-BUTYL ISOCYANATE	6.1	I	3	T29	T22	TP2 TP13	Minimum test pressure increased from 6 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 10mm. A frangible disc would continue to be required in series with the relief device due to the inhalation toxicity risk.
2558	EPIBROMOHYDRIN	6.1	I	3	T20	T14	TP2 TP13	Minimum test pressure increased from 4 bar to 6 bar.
2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3005	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3011	MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
1238	METHYL CHLOROFORMATE	6.1	I	3, 8	T30	T22	TP2 TP13	Minimum test pressure increased from 6 bar to 10 bar. The minimum shell thickness would be increased from 8mm to 10mm. A frangible disc would continue to be required in series with the relief device due to the inhalation toxicity risk.
1143	CROTONALDEHYDE, STABILIZED	6.1	I	3	T16	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be 8mm in all cases regardless of the tank diameter.
2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3294	HYDROGEN CYANIDE, SOLUTION IN ALCOHOL with not more than 45 % hydrogen cyanide	6.1	I	3	T20	T14	TP2	Minimum test pressure increased from 4 bar to 6 bar.
1135	ETHYLENE CHLOROXYDRIN	6.1	I	3	T27	T20	TP2 TP13	Minimum test pressure increased from 6 bar to 10 bar. The minimum shell thickness would be 8mm in all cases regardless of the tank diameter.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
3279	ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.	6.1	I	3	T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
1163	DIMETHYLHYDRAZINE, UNSYMMETRICAL	6.1	I	3, 8	T20	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., flash point not less than 23 C	6.1	I	3	T13	T14	TP2 TP9 TP13	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
1182	ETHYL CHLOROFORMATE	6.1	I	3, 8	T30	T20	TP2 TP13	Minimum test pressure increased from 6 bar to 10 bar.
1752	CHLOROACETYL CHLORIDE	6.1	I	8	T20	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
1595	DIMETHYL SULPHATE	6.1	I	8	T20	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
1809	PHOSPHORUS TRICHLORIDE	6.1	I	8	T20	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
3246	METHANESULPHONYL CHLORIDE	6.1	I	8	T29	T20	TP2 TP12 TP13	Minimum test pressure increased from 6 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
3289	TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.	6.1	I	8	T13	T14	TP2 TP9	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2206	ISOCYANATES, TOXIC, N.O.S. or ISOCYANATE SOLUTION, TOXIC, N.O.S.	6.1	II		T15	T11	TP2 TP13 TP27	Bottom openings would be allowed and would require three effective means of closure.
2078	TOLUENE DIISOCYANATE	6.1	II		T13	T7	TP2 TP13	No change in requirements.
2075	CHLORAL, ANHYDROUS, INHIBITED	6.1	II		T13	T7	TP2	No change in requirements.
2306	NITROBENZOTRIFLUORIDES	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2038	DINITROTOLUENES	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2312	PHENOL, MOLTEN	6.1	II		T4	T7	TP3 TP11	Minimum test pressure increased from 2.65 bar to 4 bar.
2224	BENZONITRILE	6.1	II		T13	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2019	CHLOROANILINES, LIQUID	6.1	II		T13	T7	TP2	No change in requirements.
2322	TRICHLOROBUTENE	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2018	CHLOROANILINES, SOLID	6.1	II		T13	T7	TP2	No change in requirements.
1935	CYANIDE SOLUTION, N.O.S.	6.1	II		T20	T11	TP2 TP13 TP27	The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. Bottom openings would be allowed and would require three effective means of closure. A frangible disc would no longer be required in series with the relief device.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2250	DICHLOROPHENOL ISOCYANATES	6.1	II		T3	T7	TP3	Minimum test pressure increased from 2.65 bar to 4 bar.
1891	ETHYL BROMIDE	6.1	II		T14	T7	TP2 TP13	A frangible disc would no longer be required in series with the relief device.
1886	BENZYLIDENE CHLORIDE	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
1846	CARBON TETRACHLORIDE	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
1843	AMMONIUM DINITRO-o-CRESOLATE	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2253	N,N-DIMETHYLANILINE	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
1711	XYLIDINES	6.1	II		T13	T7	TP2	No change in requirements.
1708	TOLUIDINES	6.1	II		T13	T7	TP2	No change in requirements.
1702	TETRACHLOROETHANE	6.1	II		T13	T7	TP2	No change in requirements.
1701	XYLYL BROMIDE	6.1	II		T13	T7	TP2 TP13	No change in requirements.
1697	CHLOROACETOPHENONE	6.1	II		T14	T7	TP2 TP13	A frangible disc would no longer be required in series with the relief device.
1686	SODIUM ARSENITE, AQUEOUS SOLUTION	6.1	II		T15	T7	TP2	Bottom openings would be allowed and would require three effective means of closure.
1671	PHENOL, SOLID	6.1	II		T13	T6	TP2	Bottom openings would require two effective means of closure.
1669	PENTACHLOROETHANE	6.1	II		T13	T7	TP2	No change in requirements.
1665	NITROXYLENES (o-, m-, p-)	6.1	II		T13	T7	TP2	No change in requirements.
1664	NITROTOLUENES (o-, m-, p-)	6.1	II		T13	T7	TP2	No change in requirements.
1662	NITROBENZENE	6.1	II		T13	T7	TP2	No change in requirements.
1661	NITROANILINES (o-, m-, p-)	6.1	II		T13	T7	TP2	No change in requirements.
1658	NICOTINE SULPHATE, SOLID or NICOTINE SULPHATE SOLUTION	6.1	II		T13	T6/T7	TP2	No change in requirements.
1650	beta-NAPHTHYLAMINE	6.1	II		T9	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. Bottom openings would be allowed and would require three effective means of closure. A frangible disc would no longer be required in series with the relief device.
1600	DINITROTOLUENES, MOLTEN	6.1	II		T13	T7	TP3 TP11	No change in requirements.
1599	DINITROPHENOL SOLUTION	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
1598	DINITRO-o-CRESOL	6.1	II		T13	T7	TP2	No change in requirements.
1597	DINITROBENZENES	6.1	II		T13	T7	TP2	No change in requirements.
1596	DINITROANILINES	6.1	II		T13	T7	TP2	No change in requirements.
1594	DIETHYL SULPHATE	6.1	II		T13	T7	TP2	No change in requirements.
1590	DICHLOROANILINES	6.1	II		T13	T7	TP2	No change in requirements.
2281	HEXAMETHYLENE DIISOCYANATE	6.1	II		T13	T7	TP2	No change in requirements.

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					Old	New		
2261	XYLENOLS	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
1578	CHLORONITROBENZENES	6.1	II		T13	T7	TP2	No change in requirements.
1577	CHLORODINITROBENZENES	6.1	II		T13	T7	TP2	No change in requirements.
1547	ANILINE	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2474	THIOPHOSGENE	6.1	II		T13	T7	TP2	No change in requirements.
2490	DICHLOROISOPROPYL ETHER	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II		T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2307	3-NITRO-4-CHLOROBENZOTRIFLUORIDE	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2542	TRIBUTYLAMINE	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2552	HEXAFLUOROACETONE HYDRATE	6.1	II		T13	T7	TP2	No change in requirements.
3006	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2998	TRIAZINE PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2572	PHENYLHYDRAZINE	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2574	TRICRESYL PHOSPHATE with more than 3 % ortho isomer	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2522	2-DIMETHYLAMINOETHYL METHACRYLATE	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
3302	2-DIMETHYLAMINOETHYL ACRYLATE	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2501	TRIS-(1-AZIRIDINYL) PHOSPHINE OXIDE SOLUTION	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
3352	PYRETHROID PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2822	2-CHLOROPYRIDINE	6.1	II		T13	T7	TP2	No change in requirements.
3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	II		T13	T11	TP2 TP27	No change in requirements.
2643	METHYL BROMOACETATE	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2653	BENZYL IODIDE	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2669	CHLOROCRESOLS	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
3285	VANADIUM COMPOUND, N.O.S.	6.1	II		T13	T11	TP2 TP27	No change in requirements.
3284	TELLURIUM COMPOUND, N.O.S.	6.1	II		T13	T11	TP2 TP27	No change in requirements.
3283	SELENIUM COMPOUND, N.O.S.	6.1	II		T13	T11	TP2 TP27	No change in requirements.
2690	N,n-BUTYLIMIDAZOLE	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
3282	ORGANOMETALLIC COMPOUND, TOXIC N.O.S.	6.1	II		T13	T11	TP2 TP27	No change in requirements.
3281	METAL CARBONYLS, N.O.S.	6.1	II		T13	T11	TP2 TP27	No change in requirements.
2750	1,3-DICHLOROPROPANOL-2	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
3280	ORGANOARSENIC COMPOUND, N.O.S.	6.1	II		T13	T11	TP2 TP27	No change in requirements.
3278	ORGANOPHOSPHORUS COMPOUND, TOXIC, N.O.S.	6.1	II		T13	T11	TP2 TP27	No change in requirements.
2738	N-BUTYLANILINE	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2754	N-ETHYLTOLUIDINES	6.1	II		T13	T7	TP2	No change in requirements.
2788	ORGANOTIN COMPOUND, LIQUID, N.O.S.	6.1	II		T13	T11	TP2 TP27	No change in requirements.
3276	NITRILES, TOXIC, N.O.S.	6.1	II		T13	T11	TP2 TP27	No change in requirements.
2650	1,1-DICHLORO-1-NITROETHANE	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1	II		T13	T11	TP2 TP13 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2996	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
3020	ORGANOTIN PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2821	PHENOL SOLUTION	6.1	II		T13	T7	TP2	Minimum test pressure increased from 4 bar to 6 bar.
3018	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2839	ALDOL	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
3016	BIPYRIDILUM PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T11	TP2	Minimum test pressure increased from 4 bar to 6 bar.
2872	DIBROMOCHLOROPROPANES	6.1	II		T4	T7	TP1	Minimum test pressure increased from 2.65 bar to 4 bar.
2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1	II		T13	T11	TP2 TP13 TP27	Minimum test pressure increased from 4 bar to 6 bar.
3014	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
3012	MERCURY BASED PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2936	THIOLACTIC ACID	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2948	3-TRIFLUOROMETHYLANILINE	6.1	II		T13	T17	TP2	No change in requirements.
2966	THIOGLYCOL	6.1	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2285	ISOCYANATO BENZOTRI-FLUORIDES	6.1	II	3	T13	T7	TP2	No change in requirements.
1603	ETHYL BROMOACETATE	6.1	II	3	T13	T7	TP2	No change in requirements.
2023	EPICHLOROHYDRIN	6.1	II	3	T13	T7	TP2 TP13	No change in requirements.
3073	VINYLPYRIDINES, INHIBITED	6.1	II	3, 8	T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
1199	FURALDEHYDES	6.1	II	3	T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
3279	ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.	6.1	II	3	T13	T11	TP2 TP27	No change in requirements.
2997	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., flash point not less than 23 °C	6.1	II	3	T13	T11	TP2 TP13 TP27	Minimum test pressure increased from 4 bar to 6 bar.
3011	MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
3351	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2743	n-BUTYL CHLOROFORMATE	6.1	II	3, 8	T16	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be 8mm in all cases regardless of the tank diameter.
2744	CYCLOBUTYL CHLOROFORMATE	6.1	II	3, 8	T16	T7	TP2 TP13	Bottom openings would be allowed and would require three effective means of closure. A frangible disc would no longer be required in series with the relief device.
3275	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	II	3	T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
3005	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2929	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.	6.1	II	3	T15	T11	TP2 TP27	Bottom openings would be allowed and would require three effective means of closure. Minimum test pressure increased from 4 bar to 6 bar.
3015	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
1916	2,2'-DICHLORODIETHYL ETHER	6.1	II	3	T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
3071	MERCAPTANS, LIQUID, TOXIC, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, TOXIC, FLAMMABLE, N.O.S.	6.1	II	3	T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
3347	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T11	TP2	Minimum test pressure increased from 4 bar to 6 bar.
1545	ALLYL ISOTHIOCYANATE, INHIBITED	6.1	II	3	T14	T7	TP2	A frangible disc would no longer be required in series with the relief device.
1181	ETHYL CHLOROACETATE	6.1	II	3	T13	T7	TP2	No change in requirements.
2589	VINYL CHLOROACETATE	6.1	II	3	T13	T7	TP2	No change in requirements.
1569	BROMOACETONE	6.1	II	3	T14	T20	TP2 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be 8mm in all cases regardless of the tank diameter. Bottom openings would not be allowed.
2668	CHLOROACETONITRILE	6.1	II	3	T4	T20	TP2	Minimum test pressure increased from 2.65 bar to 10 bar. The minimum shell thickness would be 8mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
3013	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
3017	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2611	PROPYLENE CHLOROHYDRIN	6.1	II	3	T5	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. Bottom openings would be allowed and would require three effective means of closure.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
3080	ISOCYANATES, TOXIC, FLAMMABLE, N.O.S. or ISOCYANATE SOLUTION, TOXIC, FLAMMABLE, N.O.S.	6.1	II	3	T15	T11	TP2 TP27	Bottom openings would be allowed and would require three effective means of closure. Minimum test pressure increased from 4 bar to 6 bar.
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
3019	ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3		T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2076	CRESOLS	6.1	II	8	T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
1750	CHLOROACETIC ACID SOLUTION	6.1	II	8	T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2022	CRESYLIC ACID	6.1	II	8	T4	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar.
1737	BENZYL BROMIDE	6.1	II	8	T9	T8	TP2 TP12 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. A frangible disc would no longer be required in series with the relief device.
1738	BENZYL CHLORIDE	6.1	II	8	T9	T8	TP2 TP12 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. A frangible disc would no longer be required in series with the relief device.
2267	DIMETHYL THIOPHOSPHORYL CHLORIDE	6.1	II	8	T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2746	PHENYL CHLOROFORMATE	6.1	II	8	T6	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. Bottom openings would be allowed and would require three effective means of closure. A frangible disc would no longer be required in series with the relief device.
2745	CHLOROMETHYL CHLOROFORMATE	6.1	II	8	T16	T7	TP2 TP13	Bottom openings would be allowed and would require three effective means of closure. A frangible disc would no longer be required in series with the relief device.
3277	CHLOROFORMATES, TOXIC, CORROSIVE, N.O.S.	6.1	II	8	T9	T8	TP2 TP12 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. A frangible disc would no longer be required in series with the relief device.
2748	2-ETHYLHEXYL CHLOROFORMATE	6.1	II	8	T6	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. Bottom openings would be allowed and would require three effective means of closure. A frangible disc would no longer be required in series with the relief device.
3250	CHLOROACETIC ACID, MOLTEN	6.1	II	8	T5	T7	TP3 TP11	Minimum test pressure increased from 2.65 bar to 4 bar. Bottom openings would be allowed and would require three effective means of closure.
3289	TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.	6.1	II	8	T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2205	ADIPONITRILE	6.1	III		T1	T3	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.



UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2206	ISOCYANATES, TOXIC, N.O.S. or ISOCYANATE SOLUTION, TOXIC, N.O.S.	6.1	III		T4	T7	TP1 TP13 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
2290	ISOPHORONE DIISOCYANATE	6.1	III		T4	T4	TP2	No change in requirements.
2294	N-METHYLANILINE	6.1	III		T4	T4	TP1	No change in requirements.
2077	alpha-NAPHTHYLAMINE	6.1	III		T3	T3	TP1	No change in requirements.
2299	METHYL DICHLOROACETATE	6.1	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2074	ACRYLAMIDE	6.1	III		T4	T4	TP1	No change in requirements.
2311	PHENETIDINES	6.1	III		T4	T4	TP1	No change in requirements.
2321	TRICHLOROBENZENES, LIQUID	6.1	III		T4	T4	TP1	No change in requirements.
1935	CYANIDE SOLUTION, N.O.S.	6.1	III		T20	T7	TP2 TP13 TP28	The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. Bottom openings would be allowed and would require three effective means of closure. A frangible disc would no longer be required in series with the relief device.
2328	TRIMETHYLHEXAMETHYLENE DIISOCYANATE	6.1	III		T4	T4	TP2 TP13	No change in requirements.
1897	TETRACHLOROETHYLENE	6.1	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1888	CHLOROFORM	6.1	III		T13	T7	TP2	No change in requirements.
1887	BROMOCHLOROMETHANE	6.1	III		T4	T4	TP1	No change in requirements.
2021	CHLOROPHENOLS, LIQUID	6.1	III		T4	T4	TP1	No change in requirements.
1812	POTASSIUM FLUORIDE	6.1	III		T4	T4	TP1	No change in requirements.
2239	CHLOROTOLUIDINES	6.1	III		T3	T4	TP1	Bottom opening requirements changed from two effective means of closure to three.
2235	CHLOROBENZYL CHLORIDES	6.1	III		T4	T4	TP1	No change in requirements.
1710	TRICHLOROETHYLENE	6.1	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2272	N-ETHYLANILINE	6.1	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1690	SODIUM FLUORIDE	6.1	III		T4	T4	TP1	No change in requirements.
1686	SODIUM ARSENITE, AQUEOUS SOLUTION	6.1	III		T15	T4	TP2	Minimum test pressure decreased from 4 bar to 2.65 bar. Bottom openings would be allowed and would require three effective means of closure.
1673	PHENYLENEDIAMINES (o-, m-, p-)	6.1	III		T13	T7	TP1	No change in requirements.
1663	NITROPHENOLS (o-, m-, p-)	6.1	III		T4	T4	TP3	No change in requirements.
1599	DINITROPHENOL SOLUTION	6.1	III		T4	T4	TP1	No change in requirements.
1593	DICHLOROMETHANE	6.1	III		T13	T7	TP2	No change in requirements.
1591	o-DICHLOROBENZENE	6.1	III		T4	T4	TP1	No change in requirements.
2279	HEXACHLOROBUTADIENE	6.1	III		T4	T4	TP1	No change in requirements.
2274	N-ETHYL-N-BENZYLANILINE	6.1	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2431	ANISIDINES	6.1	III		T1	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar. Bottom opening requirements changed from two effective means of closure to three.
2432	N,N-DIETHYLANILINE	6.1	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2470	PHENYLACETONITRILE, LIQUID	6.1	III		T4	T4	TP1	No change in requirements.
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III		T13	T7	TP2 TP28	No change in requirements.
2504	TETRABROMOETHANE	6.1	III		T4	T4	TP1	No change in requirements.
2849	3-CHLOROPROPANOL-1	6.1	III		T4	T4	TP1	No change in requirements.
2515	BROMOFORM	6.1	III		T4	T4	TP1	No change in requirements.
2946	2-AMINO-5-DIETHYLAMINOPENTANE	6.1	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2300	2-METHYL-5-ETHYLPYRIDINE	6.1	III		T4	T4	TP1	No change in requirements.
2525	ETHYL OXALATE	6.1	III		T1	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar. Bottom opening requirements changed from two effective means of closure to three.
1709	2,4-TOLUYLENEDIAMINE	6.1	III		T3	T4	TP1	Bottom opening requirements changed from two effective means of closure to three.
3006	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T7	TP2 TP28	No change in requirements.
2688	1-BROMO-3-CHLOROPROPANE	6.1	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2533	METHYL TRICHLOROACETATE	6.1	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2998	TRIAZINE PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T7	TP2 TP28	No change in requirements.
2273	2-ETHYLANILINE	6.1	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2785	4-THIAPENTANAL	6.1	III		T4	T4	TP1	No change in requirements.
3352	PYRETHROID PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T7	TP2 TP28	No change in requirements.
2501	TRIS-(1-AZIRIDINYL) PHOSPHINE OXIDE SOLUTION	6.1	III		T4	T4	TP1	No change in requirements.
3020	ORGANOTIN PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T7	TP2 TP28	No change in requirements.
3293	HYDRAZINE-AQUEOUS SOLUTION with not more than 37% hydrazine, by mass	6.1	III		T4	T4	TP1	No change in requirements.
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	III		T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
2656	QUINOLINE	6.1	III		T4	T4	TP1	No change in requirements.
2661	HEXACHLOROACETONE	6.1	III		T4	T4	TP1	No change in requirements.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2662	HYDROQUINONE	6.1	III		T4	T4	TP1	No change in requirements.
2664	DIBROMOMETHANE	6.1	III		T4	T4	TP1	No change in requirements.
2667	BUTYL TOLUENES	6.1	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
3285	VANADIUM COMPOUND, N.O.S.	6.1	III		T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
3284	TELLURIUM COMPOUND, N.O.S.	6.1	III		T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
3283	SELENIUM COMPOUND, N.O.S.	6.1	III		T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
2689	GLYCEROL alpha-MONOCHLOROHYDRIN	6.1	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
3282	ORGANOMETALLIC COMPOUND, TOXIC N.O.S.	6.1	III		T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
3281	METAL CARBONYLS, N.O.S.	6.1	III		T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
3280	ORGANOARSENIC COMPOUND, N.O.S.	6.1	III		T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
2730	NITROANISOLE	6.1	III		T4	T4	TP1	No change in requirements.
2732	NITROBROMOBENZENE	6.1	III		T4	T4	TP1	No change in requirements.
2518	1,5,9-CYCLODODECATRIENE	6.1	III		T4	T4	TP1	No change in requirements.
3278	ORGANOPHOSPHORUS COMPOUND, TOXIC, N.O.S.	6.1	III		T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
2747	tert-BUTYL CYCLOHEXYL CHLOROFORMATE	6.1	III		T4	T4	TP1	No change in requirements.
3276	NITRILES, TOXIC, N.O.S.	6.1	III		T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
2753	N-ETHYLBENZYL TOLUIDINES	6.1	III		T13	T7	TP1	No change in requirements.
2788	ORGANOTIN COMPOUND, LIQUID, N.O.S.	6.1	III		T13	T7	TP2 TP28	No change in requirements.
2831	1,1,1-TRICHLOROETHANE	6.1	III		T4	T4	TP1	No change in requirements.
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1	III		T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
2821	PHENOL SOLUTION	6.1	III		T4	T4	TP1	No change in requirements.
3018	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T7	TP2 TP28	No change in requirements.
3016	BIPYRIDILUM PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T7	TP2 TP28	No change in requirements.
2872	DIBROMOCHLOROPROPANES	6.1	III		T4	T4	TP1	No change in requirements.
2873	DIBUTYLAMINOETHANOL	6.1	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2874	FURFURYL ALCOHOL	6.1	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
3014	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T7	TP2 TP28	No change in requirements.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1	III		T13	T7	TP2 TP13 TP28	No change in requirements.
3012	MERCURY BASED PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T7	TP2 TP28	No change in requirements.
2937	alpha-METHYLBENZYL ALCOHOL	6.1	III		T1	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar. Bottom opening requirements changed from two effective means of closure to three.
2941	FLUOROANILINES	6.1	III		T4	T4	TP1	No change in requirements.
2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T7	TP2 TP28	No change in requirements.
3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T7	TP2 TP28	No change in requirements.
2996	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T7	TP2 TP28	No change in requirements.
2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T7	TP2 TP28	No change in requirements.
3019	ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T7	TP2 TP28	No change in requirements.
2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T7	TP2 TP28	No change in requirements.
3015	BIPYRIDILUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T7	TP2 TP28	No change in requirements.
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T7	TP2 TP28	No change in requirements.
2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., flash point not less than 23 °C	6.1	III	3	T13	T7	TP2 TP13	No change in requirements.
3013	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T7	TP2 TP28	No change in requirements.
3017	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T7	TP2 TP28	No change in requirements.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T7	TP2 TP28	No change in requirements.
3347	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T7	TP2 TP28	No change in requirements.
2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T7	TP2 TP28	No change in requirements.
3351	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T7	TP2 TP28	No change in requirements.
2997	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T7	TP2 TP28	No change in requirements.
3005	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T7	TP2 TP28	No change in requirements.
3011	MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T7	TP2 TP28	No change in requirements.
2912	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I), non fissile or fissile-excepted	7			T6	T5	TP4	No change in requirements.
3322	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), non fissile or fissile-excepted	7			T6	T5	TP4	No change in requirements.
3321	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), non fissile or fissile-excepted	7			T6	T5	TP4	No change in requirements.
1834	SULPHURYL CHLORIDE	8	I		T22	T22	TP2 TP12	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be increased from 8mm to 10mm. A frangible disc would continue to be required in series with the relief device due to the inhalation toxicity risk.
1836	THIONYL CHLORIDE	8	I		T22	T10	TP2 TP12 TP13	The minimum shell thickness would be decreased from 8mm to 6mm.
2444	VANADIUM TETRACHLORIDE	8	I		T7	T10	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
1828	SULPHUR CHLORIDES	8	I		T22	T20	TP2 TP12	Minimum test pressure increased from 4 bar to 10 bar.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2801	DYE, LIQUID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.	8	I		T13	T14	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C2-C12 homologues)	8	I		T4	T10	TP1 TP9	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
1829	SULPHUR TRIOXIDE, INHIBITED or SULPHUR TRIOXIDE, STABILIZED	8	I		T22	T20	TP4 TP12 TP13, TP25 TP26	Minimum test pressure increased from 4 bar to 10 bar.
1798	NITROHYDROCHLORIC ACID	8	I		T22	T10	TP2 TP12 TP13	The minimum shell thickness would be decreased from 8mm to 6mm.
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	I		T13	T14	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	I		T13	T14	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	I		T13	T14	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	I		T13	T14	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	I		T4	T14	TP1 TP9 TP27	Minimum test pressure increased from 4 bar to 6 bar. Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2699	TRIFLUOROACETIC ACID	8	I		T22	T10	TP2 TP12	The minimum shell thickness would be decreased from 8mm to 6mm.
2692	BORON TRIBROMIDE	8	I		T22	T20	TP2 TP12 TP13	Minimum test pressure increased from 4 bar to 10 bar.
1777	FLUOROSULPHONIC ACID	8	I		T12	T10	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be decreased from 8mm to 6mm.
2240	CHROMOSULPHURIC ACID	8	I		T12	T10	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be decreased from 8mm to 6mm.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
1760	CORROSIVE LIQUID, N.O.S.	8	I		T13	T14	TP2 TP9 TP27	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
1758	CHROMIUM OXYCHLORIDE	8	I		T9	T10	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar.
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C2-C12 homologues)	8	I		T4	T10	TP1 TP9	Minimum test pressure increased from 4 bar to 6 bar. Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
1754	CHLOROSULPHONIC ACID (with or without sulphur trioxide)	8	I		T12	T20	TP2 TP12	Minimum test pressure increased from 2.65 bar to 10 bar.
1739	BENZYL CHLOROFORMATE	8	I		T20	T10	TP2 TP12 TP13	No change in requirements.
2604	BORON TRIFLUORIDE DIETHYL ETHERATE	8	I	3	T7	T10	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2401	PIPERIDINE	8	I	3	T18	T10	TP2	Bottom openings would not be allowed.
2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	8	I	3	T4	T14	TP2 TP9 TP27	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 6mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8	I	3	T19	T14	TP2 TP9 TP27	Minimum test pressure increased from 4 bar to 6 bar. A frangible disc would be required in series with the relief device in all cases.
2032	NITRIC ACID, RED FUMING	8	I	5.1, 6.1	T22	T20	TP2 TP12 TP13	Minimum test pressure increased from 4 bar to 10 bar.
1826	NITRATING ACID MIXTURE, SPENT, with more than 50% nitric acid	8	I	5.1	T12	T10	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be decreased from 8mm to 6mm.
1796	NITRATING ACID MIXTURE with more than 50% nitric acid	8	I	5.1	T12	T10	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be decreased from 8mm to 6mm.
1786	HYDROFLUORIC ACID AND SULPHURIC ACID MIXTURE	8	I	6.1	T22	T10	TP2 TP12 TP13	The minimum shell thickness would be decreased from 8mm to 6mm.
2031	NITRIC ACID, other than red fuming, with more than 70% nitric acid	8	I	6.1	T11	T10	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be decreased from 8mm to 6mm. A frangible disc would be required in series with the relief device in all cases.
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	I	6.1	T22	T14	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be decreased from 8mm to 6mm.
2879	SELENIUM OXYCHLORIDE	8	I	6.1	T12	T10	TP2 TP12 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be decreased from 8mm to 6mm.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
1790	HYDROFLUORIC ACID, solution, with more than 60% hydrofluoric acid	8	I	6.1	T7	T10	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
1744	BROMINE or BROMINE SOLUTION	8	I	6.1	T23	T22	TP2 TP10 TP12 TP13	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be decreased from 12mm to 10mm. A frangible disc would continue to be required in series with the relief device due to the inhalation toxicity risk.
1831	SULPHURIC ACID, FUMING	8	I	6.1	T22	T20	TP2 TP12 TP13	Minimum test pressure increased from 4 bar to 10 bar.
1052	HYDROGEN FLUORIDE, ANHYDROUS	8	I	6.1	T30	T10	TP2	The minimum shell thickness would be decreased from 8mm to 6mm.
2987	CHLOROSILANES, CORROSIVE, N.O.S.	8	II		T13	T14	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
1801	OCTYLTRICHLOROSILANE	8	II		T7	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1830	SULPHURIC ACID with more than 51% acid	8	II		T11	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1832	SULPHURIC ACID, SPENT	8	II		T11	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1833	SULPHUROUS ACID	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2564	TRICHLOROACETIC ACID SOLUTION	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
1835	TETRAMETHYLAMMONIUM HYDROXIDE	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2437	METHYLPHENYLDICHLORO-SILANE	8	II		T7	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1837	THIOPHOSPHORYL CHLORIDE	8	II		T6	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. Bottom openings would be allowed and would require three effective means of closure. A frangible disc would no longer be required in series with the relief device.
1838	TITANIUM TETRACHLORIDE	8	II		T9	T20	TP2 TP13	Minimum test pressure increased from 2.65 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm.
1849	SODIUM SULPHIDE, HYDRATED with not less than 30% water	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
1898	ACETYL IODIDE	8	II		T5	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. Bottom openings would be allowed and would require three effective means of closure.



UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2851	BORON TRIFLUORIDE DIHYDRATE	8	II		T11	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. Bottom openings would be allowed and would require three effective means of closure.
1906	SLUDGE ACID	8	II		T11	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1908	CHLORITE SOLUTION	8	II		T4	T7	TP2 TP24	Minimum test pressure increased from 2.65 bar to 4 bar.
1938	BROMOACETIC ACID	8	II		T5	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. Bottom openings would be allowed and would require three effective means of closure.
2837	BISULPHATES, AQUEOUS SOLUTION	8	II		T7	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1827	STANNIC CHLORIDE, ANHYDROUS	8	II		T7	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1826	NITRATING ACID MIXTURE, SPENT, with not more than 50% nitric acid	8	II		T12	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. A frangible disc would no longer be required in series with the relief device.
1824	SODIUM HYDROXIDE SOLUTION	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
1819	SODIUM ALUMINATE SOLUTION	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
1818	SILICON TETRACHLORIDE	8	II		T20	T7	TP2 TP7	The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. Bottom openings would be allowed and would require three effective means of closure. A frangible disc would no longer be required in series with the relief device.
3066	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing	8	II		T13	T7	TP2	No change in requirements.
1817	PYROSULPHURYL CHLORIDE	8	II		T11	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2801	DYE, LIQUID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.	8	II		T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
1814	POTASSIUM HYDROXIDE SOLUTION	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C2-C12 homologues)	8	II		T4	T11	TP1 TP27	Minimum test pressure increased from 2.65 bar to 6 bar.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
1810	PHOSPHORUS OXYCHLORIDE	8	II		T7	T20	TP2	Minimum test pressure increased from 2.65 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.
1808	PHOSPHORUS TRIBROMIDE	8	II		T7	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1804	PHENYLTRICHLOROSILANE	8	II		T7	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1803	PHENOLSULPHONIC ACID, LIQUID	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
1800	OCTADECYLTRICHLORO-SILANE	8	II		T4	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar.
1799	NONYLTRICHLOROSILANE	8	II		T7	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1796	NITRATING ACID MIXTURE with not more than 50% nitric acid	8	II		T12	T8	TP2 TP12 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. A frangible disc would no longer be required in series with the relief device.
1792	IODINE MONOCHLORIDE	8	II		T7	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1791	HYPOCHLORITE SOLUTION	8	II		T4	T7	TP2 TP24	Minimum test pressure increased from 2.65 bar to 4 bar.
2799	PHENYLPHOSPHORUS THIODICHLORIDE	8	II		T7	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2798	PHENYLPHOSPHORUS DICHLORIDE	8	II		T7	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1789	HYDROCHLORIC ACID	8	II		T11	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2797	BATTERY FLUID, ALKALI	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	II		T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	II		T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	II		T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	II		T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
1788	HYDROBROMIC ACID	8	II		T11	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. Bottom openings would be allowed and would require three effective means of closure.
1787	HYDRIODIC ACID	8	II		T11	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. Bottom openings would be allowed and would require three effective means of closure.
1784	HEXYLTRICHLOROSILANE	8	II		T7	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2796	SULPHURIC ACID with not more than 51% acid or BATTERY FLUID, ACID	8	II		T11	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2790	ACETIC ACID SOLUTION, not less than 50% but not more than 80% acid, by mass more than 10% and less than 50%, by mass	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2751	DIETHYLTHIOPHOSPHORYL CHLORIDE	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
1939	PHOSPHORUS OXYBROMIDE	8	II		T7	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	II		T4	T11	TP1 TP27	Minimum test pressure increased from 2.65 bar to 6 bar.
1940	THIOGLYCOLIC ACID	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2031	NITRIC ACID, other than red fuming, with not more than 70% nitric acid	8	II		T11	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2079	DIETHYLENETRIAMINE	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2681	CAESIUM HYDROXIDE SOLUTION	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2679	LITHIUM HYDROXIDE SOLUTION	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2677	RUBIDIUM HYDROXIDE SOLUTION	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
1783	HEXAMETHYLENEDIAMINE SOLUTION	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
1782	HEXAFLUOROPHOSPHORIC ACID	8	II		T11	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1781	HEXADECYLTRICHLORO-SILANE	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
1780	FUMARYL CHLORIDE	8	II		T7	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
3320	SODIUM BOROHYDRIDE AND SODIUM HYDROXIDE SOLUTION, with not more than 12% sodium borohydrate and not more than 40% sodium hydroxide by mass	8	II		T18	T7	TP2	The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. A frangible disc would no longer be required in series with the relief device.
1779	FORMIC ACID	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
1778	FLUOROSILICIC ACID	8	II		T11	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2226	BENZOTRICHLORIDE	8	II		T15	T7	TP2	Bottom openings would be allowed and would require three effective means of closure.
2259	TRIETHYLENETETRAMINE	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2262	DIMETHYLCARBAMOYL CHLORIDE	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2308	NITROSYLSULPHURIC ACID	8	II		T11	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2584	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID with more than 5% free sulphuric acid	8	II		T10	T8	TP2 TP12 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. Bottom openings would not be allowed.
2571	ALKYLSULPHURIC ACIDS	8	II		T11	T8	TP2 TP12 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1776	FLUOROPHOSPHORIC ACID, ANHYDROUS	8	II		T11	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1775	FLUOROBORIC ACID	8	II		T21	T7	TP2	The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. Bottom openings would be allowed and would require three effective means of closure.
1771	DODECYL-TRICHLOROSILANE	8	II		T7	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2705	1-PENTOL	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
1769	DIPHENYLDICHLOROSILANE	8	II		T7	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1768	DIFLUOROPHOSPHORIC ACID, ANHYDROUS	8	II		T11	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2576	PHOSPHORUS OXYBROMIDE, MOLTEN	8	II		T10	T7	TP3 TP11 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1766	DICHLOROPHENYLTRICHLOROSILANE	8	II		T7	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1765	DICHLOROACETYL CHLORIDE	8	II		T7	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2577	PHENYLACETYL CHLORIDE	8	II		T7	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1764	DICHLOROACETIC ACID	8	II		T11	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1763	CYCLOHEXYLTRICHLOROSILANE	8	II		T7	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1762	CYCLOHEXYLTRICHLOROSILANE	8	II		T7	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1760	CORROSIVE LIQUID, N.O.S.	8	II		T13	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar.
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C2-C12 homologues)	8	II		T4	T3	TP1	Bottom openings would require two effective means of closure.
1757	CHROMIC FLUORIDE SOLUTION	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
1755	CHROMIC ACID SOLUTION	8	II		T11	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1753	CHLOROPHENYLTRICHLOROSILANE	8	II		T7	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1743	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX	8	II		T11	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2434	DIBENZYL-DICHLOROSILANE	8	II		T7	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1742	BORON TRIFLUORIDE ACETIC ACID COMPLEX	8	II		T11	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1736	BENZOYL CHLORIDE	8	II		T8	T8	TP2 TP12 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2435	ETHYLPHENYLDICHLORO-SILANE	8	II		T7	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2442	TRICHLOROACETYL CHLORIDE	8	II		T8	T20	TP2	Minimum test pressure increased from 2.65 bar to 10 bar. The minimum shell thickness would be increased from 6mm to 8mm. A frangible disc would be required in series with the relief device in all cases.
1731	ANTIMONY PENTACHLORIDE SOLUTION	8	II		T10	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1730	ANTIMONY PENTACHLORIDE, LIQUID	8	II		T7	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1729	ANISOYL CHLORIDE	8	II		T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2443	VANADIUM OXYTRICHLORIDE	8	II		T7	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2513	BROMOACETYL BROMIDE	8	II		T8	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1728	AMYLTRICHLOROSILANE	8	II		T7	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1719	CAUSTIC ALKALI LIQUID, N.O.S.	8	II		T13	T11	TP2 TP27	<b>Minimum test pressure increased from 4 bar to 6 bar.</b>
1716	ACETYL BROMIDE	8	II		T9	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. A frangible disc would no longer be required in series with the relief device.
2685	N,N-DIETHYLETHYLENEDIAMINE	8	II	3	T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2826	ETHYL CHLOROTHIOFORMATE	8	II	3	T13	T20	TP2	Minimum test pressure increased from 4 bar to 10 bar. The minimum shell thickness would be 8mm in all cases regardless of the tank diameter. Bottom openings would not be allowed. A frangible disc would be required in series with the relief device in all cases.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
1724	ALLYL-TRICHLOROSILANE, STABILIZED	8	II	3	T7	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2051	2-DIMETHYLAMINOETHANOL	8	II	3	T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2683	AMMONIUM SULPHIDE SOLUTION	8	II	3, 6.1	T13	T7	TP2 TP13	No change in requirements.
2686	2-DIETHYLAMINOETHANOL	8	II	3	T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2357	CYCLOHEXYLAMINE	8	II	3	T7	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2619	BENZYL-DIMETHYLAMINE	8	II	3	T2	T7	TP2	Minimum test pressure increased from 1.5 bar to 4 bar.
2218	ACRYLIC ACID, INHIBITED	8	II	3	T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2502	VALERYL CHLORIDE	8	II	3	T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2258	1,2-PROPYLENEDIAMINE	8	II	3	T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8	II	3	T19	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. Bottom openings would be allowed and would require three effective means of closure.
1604	ETHYLENEDIAMINE	8	II	3	T13	T7	TP2	No change in requirements.
2986	CHLOROSILANES, CORROSIVE, FLAMMABLE, N.O.S.	8	II	3	T18	T11	TP2 TP27	Minimum test pressure increased from 4 bar to 6 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. A frangible disc would no longer be required in series with the relief device.
2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	8	II	3	T4	T11	TP2 TP27	Minimum test pressure increased from 2.65 to 6 bar.
1816	PROPYL-TRICHLOROSILANE	8	II	3	T7	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2248	DI-n-BUTYLAMINE	8	II	3	T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
1767	DIETHYLDICHLOROSILANE	8	II	3	T7	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1747	BUTYL-TRICHLOROSILANE	8	II	3	T7	T7	TP2 TP13	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1715	ACETIC ANHYDRIDE	8	II	3	T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2789	ACETIC ACID, GLACIAL or ACETIC ACID SOLUTION, more than 80% acid, by mass	8	II	3	T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2264	DIMETHYLCYCLOHEXYLAMINE	8	II	3	T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
1802	PERCHLORIC ACID with not more than 50% acid, by mass	8	II	5.1	T5	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. Bottom openings would be allowed and would require three effective means of closure.
2030	HYDRAZINE HYDRATE or HYDRAZINE, AQUEOUS SOLUTION with not less than 37% but not more than 64% hydrazine, by mass	8	II	6.1	T15	T7	TP2 TP13	Bottom openings would be allowed and would require three effective means of closure.
1761	CUPRIETHYLENEDIAMINE SOLUTION	8	II	6.1	T7	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2818	AMMONIUM POLYSULPHIDE SOLUTION	8	II	6.1	T13	T7	TP2 TP13	No change in requirements.
1790	HYDROFLUORIC ACID, solution, with not more than 40% hydrofluoric acid	8	II	6.1	T7	T8	TP2 TP12	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
1732	ANTIMONY PENTAFLUORIDE	8	II	6.1	T9	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. Bottom openings would be allowed and would require three effective means of closure. A frangible disc would no longer be required in series with the relief device.
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	II	6.1	T20	T7	TP2	The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. Bottom openings would be allowed and would require three effective means of closure. A frangible disc would no longer be required in series with the relief device.
1811	POTASSIUM HYDROGENDIFLUORIDE	8	II	6.1	T4	T7	TP2	Minimum test pressure increased from 2.65 bar to 4 bar.
2817	AMMONIUM HYDROGENDIFLUORIDE SOLUTION	8	II	6.1	T15	T8	TP2 TP12 TP13	No change in requirements.
2580	ALUMINIUM BROMIDE SOLUTION	8	III		T4	T4	TP1	No change in requirements.
2579	PIPERAZINE	8	III		T4	T4	TP1	No change in requirements.
2531	METHACRYLIC ACID, INHIBITED	8	III		T4	T4	TP1 TP18	No change in requirements.
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C2-C12 homologues)	8	III		T4	T3	TP1	Bottom openings would require two effective means of closure.
1840	ZINC CHLORIDE SOLUTION	8	III		T4	T4	TP1	No change in requirements.
1848	PROPIONIC ACID	8	III		T4	T4	TP1	No change in requirements.



UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
1902	DIISOCTYL ACID PHOSPHATE	8	III		T3	T4	TP1	Bottom opening requirements changed from two effective means of closure to three.
1908	CHLORITE SOLUTION	8	III		T4	T4	TP2 TP24	No change in requirements.
2837	BISULPHATES, AQUEOUS SOLUTION	8	III		T4	T4	TP1	No change in requirements.
2834	PHOSPHOROUS ACID	8	III		T3	T3	TP1	No change in requirements.
2829	CAPROIC ACID	8	III		T1	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar. Bottom opening requirements changed from two effective means of closure to three.
2823	CROTONIC ACID	8	III		T13	T4	TP1	Minimum test pressure decreased from 4 bar to 2.65 bar.
2820	BUTYRIC ACID	8	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2819	AMYL ACID PHOSPHATE	8	III		T4	T4	TP1	No change in requirements.
1824	SODIUM HYDROXIDE SOLUTION	8	III		T4	T4	TP1	No change in requirements.
1819	SODIUM ALUMINATE SOLUTION	8	III		T4	T4	TP1	No change in requirements.
3066	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing	8	III		T4	T4	TP1	No change in requirements.
2815	N-AMINOETHYLPIPERAZINE	8	III		T4	T4	TP1	No change in requirements.
2801	DYE, LIQUID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.	8	III		T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
1814	POTASSIUM HYDROXIDE SOLUTION	8	III		T4	T4	TP1	No change in requirements.
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C2-C12 homologues)	8	III		T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
1805	PHOSPHORIC ACID	8	III		T4	T4	TP1	No change in requirements.
1793	ISOPROPYL ACID PHOSPHATE	8	III		T3	T4	TP1	Bottom opening requirements changed from two effective means of closure to three.
1791	HYPOCHLORITE SOLUTION	8	III		T4	T4	TP2 TP12 TP24	No change in requirements.
1789	HYDROCHLORIC ACID	8	III		T7	T4	TP1 TP12	The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	III		T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	III		T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	III		T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	III		T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
1787	HYDRIODIC ACID	8	III		T7	T4	TP1	The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2790	ACETIC ACID SOLUTION, not less than 50% but not more than 80% acid, by mass more than 10% and less than 50%, by mass	8	III		T4	T4	TP1	No change in requirements.
2739	BUTYRIC ANHYDRIDE	8	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	III		T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
2693	BISULPHITES, AQUEOUS SOLUTION, N.O.S.	8	III		T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
2681	CAESIUM HYDROXIDE SOLUTION	8	III		T13	T4	TP1	Minimum test pressure decreased from 4 bar to 2.65 bar.
2679	LITHIUM HYDROXIDE SOLUTION	8	III		T4	T4	TP2	No change in requirements.
2677	RUBIDIUM HYDROXIDE SOLUTION	8	III		T4	T4	TP1	No change in requirements.
1783	HEXAMETHYLENEDIAMINE SOLUTION	8	III		T4	T4	TP1	No change in requirements.
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	III		T13	T7	TP1	No change in requirements.
2209	FORMALDEHYDE SOLUTION with not less than 25% formaldehyde	8	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2214	PHTHALIC ANHYDRIDE with more than 0.05% of maleic anhydride	8	III		T4	T4	TP3	No change in requirements.
2215	MALEIC ANHYDRIDE	8	III		T4	T4	TP3	No change in requirements.
2225	BENZENESULPHONYL CHLORIDE	8	III		T4	T4	TP1	No change in requirements.
3320	SODIUM BOROHYDRIDE AND SODIUM HYDROXIDE SOLUTION, with not more than 12% sodium borohydride and not more than 40% sodium hydroxide by mass	8	III		T18	T4	TP2	Minimum test pressure decreased from 4 bar to 2.65 bar. The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter. A frangible disc would no longer be required in series with the relief device.
2586	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid	8	III		T4	T4	TP1	No change in requirements.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
2289	ISOPHORONEDIAMINE	8	III		T4	T4	TP1	No change in requirements.
2326	TRIMETHYLCYCLOHEXYLA-MINE	8	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2320	TETRAETHYLENEPENTAMINE	8	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2581	ALUMINIUM CHLORIDE SOLUTION	8	III		T4	T4	TP1	No change in requirements.
2582	FERRIC CHLORIDE SOLUTION	8	III		T4	T4	TP1	No change in requirements.
2565	DICYCLOHEXYLAMINE	8	III		T4	T4	TP1	No change in requirements.
2511	2-CHLOROPROPIONIC ACID	8	III		T4	T4	TP2	No change in requirements.
2564	TRICHLOROACETIC ACID SOLUTION	8	III		T4	T4	TP1	No change in requirements.
1760	CORROSIVE LIQUID, N.O.S.	8	III		T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
2327	TRIMETHYLHEXAMETHYLENE-DIAMINES	8	III		T4	T4	TP1	No change in requirements.
	CHROMIC FLUORIDE SOLUTION	8	III		T4	T4	TP1	No change in requirements.
1757								
1755	CHROMIC ACID SOLUTION	8	III		T7	T4	TP1 TP12	The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
3055	2-(2-AMINOETHOXY)ETHANOL	8	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1731	ANTIMONY PENTACHLORIDE SOLUTION	8	III		T7	T4	TP1	The minimum shell thickness would be 5mm for shells not more than 1.80 m in diameter or 6mm for shells more than 1.80 m in diameter.
2496	PROPIONIC ANHYDRIDE	8	III		T2	T4	TP1	Minimum test pressure increased from 1.5 bar to 2.65 bar.
2269	3,3'-IMINODIPROPYLAMINE	8	III		T4	T4	TP2	No change in requirements.
1719	CAUSTIC ALKALI LIQUID, N.O.S.	8	III		T4	T7	TP1 TP28	No change in requirements.
2491	ETHANOLAMINE or ETHANOLAMINE SOLUTION	8	III		T4	T4	TP1	No change in requirements.
1718	BUTYL ACID PHOSPHATE	8	III		T4	T4	TP1	No change in requirements.
2818	AMMONIUM POLYSULPHIDE SOLUTION	8	III	6.1	T4	T4	TP1 TP13	No change in requirements.
2817	AMMONIUM HYDROGENDIFLUORIDE SOLUTION	8	III	6.1	T4	T4	TP1 TP12 TP13	No change in requirements.
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	III	6.1	T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.
1761	CUPRIETHYLENEDIAMINE SOLUTION	8	III	6.1	T4	T7	TP1 TP28	Minimum test pressure increased from 2.65 bar to 4 bar.

UN No	Description	Class	PG	Sub risk	T-Code		TP Note	Description of changes
					Old	New		
3257	ELEVATED TEMPERATURE LIQUID, N.O.S., at or above 100 C and below its flash point (including molten metals, molten salts, etc.)	9	III		T2	T2	TP3 TP11	No change in requirements.
1941	DIBROMODIFLUOROMETHANE	9	III		T24	T11	TP2	No change in requirements.
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9	III		T2	T4	TP1 TP29	Minimum test pressure increased from 1.5 bar to 2.65 bar.
1990	BENZALDEHYDE	9	III		T2	T2	TP1	No change in requirements.

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## Annexe 2

### RÈGLES D'AFFECTATION DES DISPOSITIONS SPÉCIALES POUR LE TRANSPORT EN CITERNES MOBILES AUX MATIÈRES DES CLASSES 3 À 9

1. Les présentes règles sont destinées à servir de référence pour l'affectation des dispositions spéciales pour le transport en citernes mobiles aux matières particulières des classes 3 à 9. Elles tiennent compte des dangers présentés par les marchandises dangereuses et de leurs caractéristiques physiques et chimiques.
2. Ces règles doivent aider à affecter des dispositions particulières, y compris celles relatives à la pression minimale d'épreuve, l'épaisseur minimale du réservoir, les dispositifs de décompression et les orifices en partie basse, aux citernes mobiles utilisées pour le transport des matières des classes 3 à 9.
3. Pour certaines matières, les dispositions qui sont en principe recommandées dans les présentes règles peuvent ne pas convenir parce que la matière possède des caractéristiques particulières qui ne sont pas prises en compte dans les règles. Dans ces cas, l'affectation de dispositions appropriées devra se faire en fonction de l'avis des experts. Par exemple, les orifices en partie basse peuvent ne pas être appropriés dans le cas des matières qui ont un effet corrosif sur la structure des navires.
4. Les règles se présentent en deux parties. La première partie énonce des règles générales. La deuxième partie énonce des règles particulières pour des groupes de matières fondés sur la classe, la division, le groupe d'emballage ou le ou les risques subsidiaires.

#### Partie I

##### Règles générales

5. Pour l'affectation de dispositions concernant les citernes mobiles à une matière, il convient de tenir compte des points suivants :
  - 5.1 **Matières interdites** : le transport de certaines matières en citernes mobiles ne doit pas être admis. Il s'agit de matières considérées comme trop dangereuses pour le transport, le plus souvent à cause de leur instabilité ou parce qu'elles présentent un degré de risque inacceptable lorsqu'elles sont transportées en vrac en grandes quantités dans les conditions normales de transport. Les matières dont le transport en citernes mobiles n'est pas admis sont les suivantes :
    - matières de la classe 1;
    - explosifs désensibilisés de la division 4.1;
    - matières autoréactives (autres que celles du type F) et matières apparentées de la division 4.1;
    - peroxydes organiques de la division 5.2 autres que ceux du type F;
    - matières radioactives autres que les matières radioactives de faible activité spécifique (FAS) exemptées non fissiles ou fissiles.

D'autres matières interdites sont expressément désignées dans le Règlement type. Certaines matières, en outre, peuvent seulement être transportées sur autorisation délivrée par l'autorité compétente.

5.2 **Épaisseur minimale du réservoir** : les valeurs minimales prescrites d'épaisseur du réservoir se rapportent à un acier de référence ayant une résistance minimale à la traction garantie de 370 N/mm<sup>2</sup> et un allongement minimal garanti de 27 %. Si d'autres matériaux sont utilisés, l'épaisseur équivalente devra être calculée. Les épaisseurs minimales varient entre 5 mm et 10 mm. La deuxième partie des règles indique comment attribuer des valeurs d'épaisseur minimale. Les matières granulaires ou pulvérulentes des groupes d'emballage II ou III peuvent être transportées en citernes ayant une épaisseur minimale de paroi de 5 mm (valeur pour l'acier de référence) quel que soit le diamètre du réservoir, lorsqu'il est fait référence au paragraphe 6.6.2.4.2 à propos de la matière considérée. Quelle que soit l'épaisseur minimale prescrite dans la deuxième partie, si l'épaisseur telle qu'elle est déterminée conformément aux dispositions du paragraphe 6.6.2.4 est supérieure, c'est elle qui devra s'appliquer.

5.3 **Effet corrosif des matières sur les matériaux structuraux** : les valeurs d'épaisseur minimale prescrites ne tiennent pas compte des effets corrosifs de la matière transportée. L'expéditeur doit veiller à ce que les matériaux de construction de la citerne soient compatibles avec cette dernière.

5.4 **Pression minimale d'épreuve** : quelle que soit la valeur de la pression minimale d'épreuve déterminée selon les présentes règles, si celle déterminée conformément aux définitions du paragraphe 6.6.2.1 du Règlement type est supérieure, c'est elle qui devra s'appliquer.

5.5 **Régulation de pression** : il existe à cet égard deux possibilités :

- 1) la mention N (normale) (qui signifie que les dispositions du paragraphe 6.6.2.8.1 s'appliquent); ou
- 2) la référence à 6.6.2.8.3.

Dans ce dernier cas, il doit être monté un disque de rupture en amont du dispositif de décompression. Cette référence devrait être appliquée dans le cas des matières :

- susceptibles de subir une polymérisation ou de prendre des formes solides ou très visqueuses pouvant empêcher le fonctionnement correct de la soupape de décompression;
- satisfaisant au critère de toxicité à l'inhalation au niveau du GE I.

La référence 6.6.2.8.3 est aussi prescrite pour certaines matières de la liste des marchandises dangereuses sur décision du Comité d'experts.

5.6 **Orifices en partie basse** : trois mentions sont possibles en ce qui concerne les orifices en partie basse : 6.6.2.6.3 (trois fermetures montées en série), 6.6.2.6.2 (deux fermetures montées en série), ou NA (non admis). [Les orifices en partie basse ne sont pas autorisés pour les matières des GE I et II qui ont un effet très corrosif sur l'acier.]

5.7 **Limites de remplissage** : trois possibilités existent en ce qui concerne les limites de remplissage. Celles-ci sont considérées comme relevant des conditions d'exploitation. Elles n'ont pas de relation directe avec la construction de la citerne ou les caractéristiques de son équipement de service. C'est pourquoi les limites de remplissage ne sont pas mentionnées dans la deuxième partie de cette annexe et ne font pas partie des désignations de type des citernes. La limite de remplissage maximale pour une matière devrait satisfaire aux dispositions figurant sous "taux de remplissage" au chapitre 4.2 du Règlement type. C'est à l'expéditeur des marchandises dangereuses qu'il incombe en dernier ressort de veiller à ce que les citernes mobiles ne soient pas remplies au-delà des limites prescrites pour chaque matière, solution ou mélange transporté.

5.8 **Matières fondues** : pour les matières transportées à l'état fondu de toutes les classes, les dispositions à appliquer devraient être fonction du classement des liquides des mêmes classes, divisions, groupes d'emballage et risques subsidiaires.

## Partie II

## Règles particulières s'appliquant à des groupes de matières

Pour l'affectation de dispositions concernant les citernes mobiles à un groupe de matières, il convient de tenir compte des points suivants :

6.1 Pour les matières de la **CLASSE 3, groupe d'emballage III, sans risque subsidiaire**, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T2 ou T4	1,5 bar */	6.6.2.4.2	Normaux	6.6.2.6.3

\*/ Une pression minimale d'épreuve supérieure peut être nécessaire compte tenu de la pression de vapeur absolue de la matière à 65 °C et de la pression prescrite selon les définitions de la pression de calcul et de la pression d'épreuve figurant au paragraphe 6.6.2.1 du Règlement type (T4). La pression minimale d'épreuve de 2,65 bars s'applique aux rubriques NSA (T4).

6.2 Pour les matières de la **CLASSE 3, groupe d'emballage III, risque subsidiaire de la division 6.1 ou de la classe 8**, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T4 ou T7	2,65 bars */	6.6.2.4.2	Normaux	6.6.2.6.3

\*/ Une pression minimale d'épreuve supérieure peut être nécessaire compte tenu de la pression de vapeur absolue de la matière à 65 °C et de la pression prescrite selon les définitions de la pression de calcul et de la pression d'épreuve figurant au paragraphe 6.6.2.1 du Règlement type (T7). La pression minimale d'épreuve de 4 bars s'applique aux rubriques NSA (T7).

6.3 Pour les matières de la **CLASSE 3, groupe d'emballage II, sans risque subsidiaire**, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T4 ou T7	2,65 bars */	6.6.2.4.2	Normaux	6.6.2.6.3

\*/ Une pression minimale d'épreuve supérieure peut être nécessaire compte tenu de la pression de vapeur absolue de la matière à 65 °C et de la pression prescrite selon les définitions de la pression de calcul et de la pression d'épreuve figurant au paragraphe 6.6.2.1 du Règlement type (T7). La pression minimale d'épreuve de 4 bars s'applique aux rubriques NSA (T7).

6.4 Pour les matières de la CLASSE 3, groupe d'emballage II, risque subsidiaire de la Division 6.1 ou de la Classe 8, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T7 ou T11	4 bars */	6.6.2.4.2	Normaux	6.6.2.6.3 **/

\*/ Une pression minimale d'épreuve supérieure peut être nécessaire compte tenu de la pression de vapeur absolue de la matière à 65 °C et de la pression prescrite selon les définitions de la pression de calcul et de la pression d'épreuve figurant au paragraphe 6.6.2.1 du Règlement type (T11). La pression minimale d'épreuve de 6 bars s'applique aux rubriques NSA (T11).

\*\*/ Les orifices en partie basse ne sont pas autorisés pour les matières qui ont un effet très corrosif sur l'acier (T8).

6.5 Pour les matières de la CLASSE 3, groupe d'emballage I, les matières de la CLASSE 3, groupe d'emballage I, avec risque subsidiaire de la division 6.1, groupe d'emballage II ou III, et les matières de la CLASSE 3, groupe d'emballage I, avec risque subsidiaire de la classe 8, groupe d'emballage II ou III, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T11, T12, T15 ou T16	6 bars */	6.6.2.4.2	Normaux **/	6.6.2.6.3

\*/ Une pression minimale d'épreuve supérieure peut être nécessaire compte tenu de la pression de vapeur absolue de la matière à 65 °C et de la pression prescrite selon les définitions de la pression de calcul et de la pression d'épreuve figurant au paragraphe 6.6.2.1 du Règlement type (T15 ou T16).

\*\*/ Pour certaines matières de cette catégorie, la référence 6.6.2.8.3 doit être appliquée (T12 ou T16).

*Note : Pour les matières de la classe 3, groupe d'emballage I, avec risque subsidiaire, qui sont affectées à des rubriques NSA, les règles de 6.6 sont à appliquer. À cause des propriétés particulières de certaines matières, il peut être nécessaire de devoir faire appel à un expert pour établir les dispositions relatives aux orifices en partie basse et aux dispositifs de décompression.*

6.6 Pour les matières de la CLASSE 3, groupe d'emballage I, avec risque subsidiaire de la division 6.1, groupe d'emballage I, et les matières de la CLASSE 3, groupe d'emballage I, avec risque subsidiaire de la classe 8, groupe d'emballage I, les dispositions ci-après sont à appliquer :



Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T14 ou T19	6 bars */	6 mm	6.6.2.8.3	NA

\*/ Une pression minimale d'épreuve supérieure peut être nécessaire compte tenu de la pression de vapeur absolue de la matière à 65 °C et de la pression prescrite selon les définitions de la pression de calcul et de la pression d'épreuve figurant au paragraphe 6.6.2.1 du Règlement type (T19).

6.7 Les dispositions ci-après sont à appliquer : aux matières solides inflammables de la DIVISION 4.1, groupes d'emballage II et III, aux matières solides de la DIVISION 4.2, groupes d'emballage II et III (*aucune n'est actuellement affectée aux citernes mobiles*), aux matières solides de la DIVISION 5.1, groupes d'emballage II et III, aux matières solides de la DIVISION 6.1, groupes d'emballage II et III, aux matières solides de la CLASSE 8, groupes d'emballage II et III, aux matières solides de la CLASSE 9, groupes d'emballage II et III.

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T1, T2, T3, T4	1,5 bar */	6.6.2.4.2 **/	Normaux	6.6.2.6.3 ***/

\*/ Une pression minimale d'épreuve supérieure peut être nécessaire compte tenu de la pression de vapeur absolue de la matière à 65 °C et de la pression prescrite selon les définitions de la pression de calcul et de la pression d'épreuve figurant au paragraphe 6.6.2.1 du Règlement type (T3 ou T4). La pression minimale d'épreuve de 2,65 bars peut s'appliquer à certaines rubriques NSA (à l'exception des matières de la division 4.1) (T3 ou T4).

\*\*/ Les matières solides granulaires ou pulvérulentes peuvent être transportées en citernes ayant une épaisseur minimale du réservoir de 5 mm (valeur pour l'acier de référence) quel que soit le diamètre du réservoir.

\*\*\*/ Toutes les matières solides granulaires ou pulvérulentes et certaines matières, fortement visqueuses ou cristallisables, peuvent être transportées en citernes mobiles avec deux dispositifs de fermeture indépendants montés en série conformément aux dispositions de 6.6.2.6.2 (T1 ou T3).

6.8 Pour les liquides de la DIVISION 4.2, groupe d'emballage I, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T21	10 bars	10 mm	Normaux	NA

6.9 Pour les matières de la **DIVISION 4.3, groupes d'emballage II et III, avec ou sans risque subsidiaire**, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T11	6 bars	6.6.2.4.2	Normaux	6.6.2.6.3

6.10 Pour les matières de la **DIVISION 4.3, groupe d'emballage I, avec ou sans risque subsidiaire**, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T9, T10, T13 ou T14	4 bars */	6 mm	Normaux **/	NA

\*/ Une pression minimale d'épreuve supérieure peut être nécessaire compte tenu de la pression de vapeur absolue de la matière à 65 °C et de la pression prescrite selon les définitions de la pression de calcul et de la pression d'épreuve figurant au paragraphe 6.6.2.1 du Règlement type (T13 ou T14).

\*\*/ Les dispositions de 6.6.2.8.3 s'appliquent à certaines matières (par exemple, les chlorosilanes) (T10 ou T14).

6.11 Pour les **solutions de comburants solides de la DIVISION 5.1, groupes d'emballage II et III**, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T4 ou T7	2,65 bars */	6.6.2.4.2	Normaux	6.6.2.6.3

\*/ Une pression minimale d'épreuve supérieure peut être nécessaire compte tenu de la pression de vapeur absolue de la matière à 65 °C et de la pression prescrite selon les définitions de la pression de calcul et de la pression d'épreuve figurant au paragraphe 6.6.2.1 du Règlement type (T7).

6.12 Pour les matières de la **DIVISION 5.1, groupe d'emballage II (solutions de peroxydes d'hydrogène), avec risque subsidiaire de la classe 8**, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T7	4 bars	6.6.2.4.2	Normaux */	6.6.2.6.3

\*/ Pour certaines matières, un dispositif de mise à l'atmosphère est nécessaire.

6.13 Pour les matières de la **DIVISION 5.1, groupe d'emballage I, avec risque subsidiaire de la classe 8**, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T10 */	4 bars	6 mm	6.6.2.8.3	NA

\*/ Selon l'avis des experts, plusieurs matières de ce groupe relèvent à cause de leurs propriétés particulières des dispositions relatives aux citernes (à savoir, **T20 et T22 pour les matières toxiques à l'inhalation**).

6.14 Pour les matières de la **DIVISION 5.1, groupe d'emballage I, avec risque subsidiaire de la classe 8 et de la division 6.1**, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T22	10 bars	10 mm	6.6.2.8.3	NA

6.15 Pour les matières de la **DIVISION 5.2, groupe d'emballage II (peroxydes organiques du type F)** et les matières autoréactives du type F de la **DIVISION 4.1**, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T23	4 bars	6.6.2.4.2	6.6.2.8.2 4.2.1.13.6 4.2.1.13.7 4.2.1.13.8	6.6.2.6.3

*Note : Le transport de peroxydes organiques et de matières autoréactives du type F en citernes mobiles est seulement autorisé pour ceux énumérés dans l'instruction de transport en citernes mobiles T20. Dans tous les autres cas, ce transport est interdit sauf autorisation donnée par l'autorité compétente.*

6.16 Pour les liquides de la **DIVISION 6.1, groupe d'emballage III**, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T4 ou T7	2,65 bars */	6.6.2.4.2	Normaux	6.6.2.6.3

\*/ Une pression minimale d'épreuve supérieure peut être nécessaire compte tenu de la pression de valeur absolue de la matière à 65 °C et de la pression prescrite selon les définitions de la pression de calcul et de la pression d'épreuve figurant au paragraphe 6.6.2.1 du Règlement type (T7). La pression minimale d'épreuve de 4 bars s'applique aux rubriques NSA (T7).

6.17 Pour les liquides de la DIVISION 6.1, groupe d'emballage II, avec ou sans risque subsidiaire, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T7 ou T11	4 bars */	6.6.2.4.2	Normaux	6.6.2.6.3 **/

\*/ Une pression minimale d'épreuve supérieure peut être nécessaire compte tenu de la pression de valeur absolue de la matière à 65 °C et de la pression prescrite selon les définitions de la pression de calcul et de la pression d'épreuve figurant au paragraphe 6.6.2.1 du Règlement type (T11). La pression minimale d'épreuve de 6 bars s'applique aux rubriques NSA (T11).

\*\*/ Les orifices en partie basse ne sont pas autorisés pour les matières qui ont un effet très corrosif sur l'acier (T8).

6.18 Pour les matières de la DIVISION 6.1, groupe d'emballage I (sans risque par inhalation), avec ou sans risque subsidiaire, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T14 ou T19	6 bars */	6 mm	6.6.2.8.3	NA

\*/ Une pression minimale d'épreuve supérieure peut être nécessaire compte tenu de la pression de valeur absolue de la matière à 65 °C et de la pression prescrite selon les définitions de la pression de calcul et de la pression d'épreuve figurant au paragraphe 6.6.2.1 du Règlement type (T19).

6.19 Pour les matières de la DIVISION 6.1, groupe d'emballage I (avec risque de toxicité à l'inhalation), avec ou sans risque subsidiaire, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T20 ou T22	10 bars	10 ou 8 mm */	6.6.2.8.3	NA

\*/ Selon l'avis des experts, une épaisseur minimale de 10 mm doit être utilisée à cause des propriétés particulières (à savoir, la volatilité) des matières très toxiques à l'inhalation (T22).

6.20 L'affectation de dispositions aux matières de la classe 7 n'est pas examinée dans le présent document.

6.21 Pour les liquides de la CLASSE 8, groupe d'emballage III, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T4 ou T7	2,65 bars */	6.6.2.4.2	Normaux	6.6.2.6.3

\*/ Une pression minimale d'épreuve supérieure peut être nécessaire compte tenu de la pression de valeur absolue de la matière à 65 °C et de la pression prescrite selon les définitions de la pression de calcul et de la pression d'épreuve figurant au paragraphe 6.6.2.1 du Règlement type (T7). La pression minimale d'épreuve de 4 bars s'applique aux rubriques NSA (T7).

6.22 Pour les liquides de la CLASSE 8, groupe d'emballage II, avec ou sans risque subsidiaire, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T 7 ou T11	4 bars */	6.6.2.4.2	Normaux	6.6.2.6.3 **/

\*/ Une pression minimale d'épreuve supérieure peut être nécessaire compte tenu de la pression de valeur absolue de la matière à 65 °C et de la pression prescrite selon les définitions de la pression de calcul et de la pression d'épreuve figurant au paragraphe 6.6.2.1 du Règlement type (T11). La pression minimale d'épreuve de 6 bars s'applique aux rubriques NSA (T11).

\*\*/ Les orifices en partie basse ne sont pas autorisés pour les matières qui ont un effet très corrosif sur l'acier (T8).

6.23 Pour les liquides de la CLASSE 8, groupe d'emballage I, avec ou sans risque subsidiaire, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T10 ou T14 **/	4 bars */	6 mm	6.6.2.8.3	NA

\*/ Une pression minimale d'épreuve supérieure peut être nécessaire compte tenu de la pression de valeur absolue de la matière à 65 °C et de la pression prescrite selon les définitions de la pression de calcul et de la pression d'épreuve figurant au paragraphe 6.6.2.1 du Règlement type (T14). La pression minimale d'épreuve de 6 bars s'applique aux rubriques NSA (T14).

\*\*/ Pour plusieurs matières de ce groupe, à cause de leurs propriétés particulières, les dispositions de transport en citernes ont été fixées selon l'avis des experts (à savoir, T20 et T22 pour les matières toxiques à l'inhalation).

6.24 Pour les liquides de la CLASSE 9, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T2 ou T4	1,5 bar */	6.6.2.4.2	Normaux	6.6.2.6.3

\*/ Une pression minimale d'épreuve supérieure peut être nécessaire compte tenu de la pression de valeur absolue de la matière à 65 °C et de la pression prescrite selon les définitions de la pression de calcul et de la pression d'épreuve figurant au paragraphe 6.6.2.1 du Règlement type (T4). La pression minimale d'épreuve de 2,65 bars s'applique aux rubriques NSA (T4).

6.25 Pour les matières transportées à température élevée de la CLASSE 9, les dispositions ci-après sont à appliquer :

Instruction de transport en citernes mobiles	Pression minimale d'épreuve	Épaisseur minimale du réservoir	Dispositifs de décompression	Orifices en partie basse
T1 ou T3	1,5 bar */	6.6.2.4.2	Normaux	6.6.2.6.2

\*/ Une pression minimale d'épreuve supérieure peut être nécessaire compte tenu de la pression de valeur absolue de la matière à 65 °C et de la pression prescrite selon les définitions de la pression de calcul et de la pression d'épreuve figurant au paragraphe 6.6.2.1 du Règlement type (T3).

## Annexe 3

UN No	Description	Class	Sub-Risk	PG	Proposed T-Code	Proposed Special Tank Provision
1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3	6.1	I	T14	TP2,TP9 TP13
1988	ALDEHYDES, FLAMMABLE, TOXIC, N.O.S.	3	6.1	I	T14	TP2,TP9 TP13
2251	BICYCLO[2.2.1]HEPTA-2,5-DIENE, INHIBITED (2,5-NORBORNADIENE, INHIBITED)	3		II	T4	TP1
2280	HEXAMETHYLENEDIAMINE, SOLID	8		III	T3	TP1, TP11
2315	POLYCHLORINATED BIPHENYLS	9		II	T2	TP1
2651	4,4'-DIAMINODIPHENYLMETHANE	6.1		III	T3	TP1, TP11
2758	CARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3	6.1	I	T14	TP2,TP9 TP13
2760	ARSENICAL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3	6.1	II	T11	TP1, TP13
2762	ORGANOCHLORINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3	6.1	I	T14	TP2,TP9 TP13
2764	TRIAZINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3	6.1	I	T14	TP2,TP9 TP13
2772	THIOCARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3	6.1	II	T11	TP1, TP13
2776	COPPER BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3	6.1	I	T14	TP2,TP9 TP13
2778	MERCURY BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3	6.1	I	T14	TP2,TP9 TP13
2780	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3	6.1	I	T14	TP2,TP9 TP13
2782	BIPYRIDILUM PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3	6.1	I	T14	TP2,TP9 TP13
2784	ORGANOPHOSPHORUS PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3	6.1	I	T14	TP2,TP9 TP13
2787	ORGANOTIN PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3	6.1	II	T11	TP1, TP13
2845	PYROPHORIC LIQUID, ORGANIC, N.O.S.	4.2		I	T21	TP2, TP7
2927	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.	6.1	8	I	T11	TP2,TP9 TP13
2949	SODIUM HYDROSULPHIDE with not less than 25 percent water of crystallization	8		II	T7	TP2
3021	PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S., flash point less than 23°C	3	6.1	I	T14	TP2,TP9
3024	COUMARIN DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3	6.1	I	T14	TP2,TP9
3025	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23°C	6.1	3	I	T14	TP2,TP9
3026	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1		II	T11	TP2, TP27
3064	NITROGLYCERIN, SOLUTION IN ALCOHOL with more than 1 percent but not more than 5 percent nitroglycerin	3		II	T4	TP1
3079	METHACRYLONITRILE, INHIBITED	3	6.1	I	T14	TP2
3346	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 degrees C	3	6.1	II	T11	TP2 TP13 TP27
3350	PYRETHROID PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 degrees C	3	6.1	I	T14	TP2,TP9