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INTERNATIONAL TRANSPORT OF DANGEROUS GOODS
PROGRESS REPORT OF THE COMMITTEE OF EXPERTS
FOR FURTHER WORK ON THE TRANSPORT OF DANGEROUS GOODS
(First session, Geneva, 9 -- 26 March 1959)

Addendum

COMMISSION DES TRANSPORTS ET
DES COMMUNICATIONS

Neuvième session
4 mai 1959
Point 4 b) de l'ordre du jour provisoire

TRANSPORT INTERNATIONAL DES MARCHANDISES DANGEREUSES
RAPPORT INTERIMAIRE DU COMITE D'EXPERTS CHARGE DE POURSUIVRE
L'ETUDE DU TRANSPORT DES MARCHANDISES DANGEREUSES
(Première session, Genève, 9-26 mars 1959)

Addendum

ANNEX 3

LIST OF DANGEROUS GOODS
(other than explosives)

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LIST OF DANGEROUS GOODS
(Other than explosives)

Introduction

The following list does not include substances which are so dangerous that, in the opinion of the experts, their transport should be excluded by all regulations, except by special authorization.

The experts draw special attention to the fact that certain substances included in the list are not regulated by all countries or for all means of transport or under the particular classes assigned, and they consider that this is justified by the fact that the nature and degree of hazard are not always assessed in the same manner and may vary with the particular mode of transport, the packaging, the quantity and, possibly, the climatic conditions likely to be encountered.

Although the previous list has been considerably enlarged, it should be noted that the present list is not exhaustive.

NOTES:

1. The number at the right of the page indicates the class appropriate to the subsidiary hazard attached to the particular substance or the class in which some regulations classify the substance.
2. Whenever a flash point is mentioned in this list, it refers to the open test.
3. 'n.o.s.', when used herein, means 'not otherwise specified'.
4. Class 5 - Oxidizing substances is divided into Class 5 (a) - Oxidizing substances and Class 5 (b) - Organic peroxides.

DANGEROUS GOODS OTHER THAN EXPLOSIVES

Class 2 - Gases: compressed, liquefied or dissolved under pressure

Acetylene, dissolved	1001	3
Air, compressed	1002	
Air, liquid	1003	5
Allylene	1004	
Ammonia anhydrous, liquefied and ammonia solutions below 0.880	1005	6a, 3
Argon	1006	
Blau gas	1007	
Boron trifluoride	1008	6a
Bromotrifluoromethane	1009	
Butadiene, inhibited	1010	3
Butane or butane mixtures	1011	
Butylene (Butene)	1012	
Carbon dioxide, liquefied	1013	
Carbon dioxide and oxygen mixtures	1014	
Carbon dioxide and nitrous oxide mixtures	1015	
Carbon monoxide	1016	6a, 3
Chlorine	1017	6a
Chlorodifluoromethane (Monochlorodifluoromethane)	1018	
Chlorofluoro hydrocarbons, n.o.s.	1019	
Chloropentafluoroethane	1020	
Chlorotetrafluoroethane	1021	

Chlorotrifluoromethane (Trifluorochloromethane)	1022	
Coal gas	1023	6a
Compressed gases, n.o.s., flammable	1024	
Compressed gases, n.o.s., non- flammable	1025	
Cyanogen, liquefied	1026	6a, 3
Cyclopropane, liquefied	1027	3
Dichlorodifluoromethane	1028	
Dichloromonofluoromethane	1029	
Difluoroethane	1030	
Difluoromonochloroethane	1031	
Dimethylamine, anhydrous	1032	3
Dimethyl ether	1033	3
Dispersant gases, n.o.s.	1034	
Ethane	1035	3
Ethylamine (mono)	1036	3
Ethyl chloride (Chloroethane)	1037	3
Ethylene	1038	3
Ethyl methyl ether	1039	3
Ethylene oxide (Oxirane, epoxyethane)	1040	3, 6a
Ethylene oxide, 90% by weight and carbon dioxide 10% by weight	1041	3, 6a
Ethylene oxide/nitrogen mixture (0.2% nitrogen)	1042	3, 6a
Fertilizer ammoniating solution containing free ammonia	1043	
Fire extinguishers containing compressed gas	1044	
Fluorine	1045	6a, 8
Helium, compressed	1046	

Hydrocarbon gas, compressed or liquefied	1047	3
Hydrogen bromide, anhydrous	1048	6a
Hydrogen, compressed	1049	3
Hydrogen chloride, anhydrous	1050	8
Hydrogen cyanide (Hydrocyanic acid)	1051	6a
Hydrogen fluoride, anhydrous	1052	8, 6a
Hydrogen sulphide, liquefied (Sulphuretted hydrogen)	1053	6a, 3
Insecticide, liquefied gas	1054	
Isobutylene (Isobutene)	1055	
Krypton, compressed	1056	
Lighter fuel and lighters, cigar and cigarette, flammable gas	1057	
Liquefied non-flammable gases charged with nitrogen, carbon dioxide or air	1058	
Methane	1059	3
Methyl acetylene - 15% to 20% propadiene mixture	1060	
Methylamine, anhydrous	1061	3
Methyl bromide (Bromomethane)	1062	6a
Methyl chloride (Chloromethane)	1063	3
Methylmercaptan	1064	
Neon	1065	
Nitrogen	1066	
Nitrogen dioxide, liquid	1067	8, 6a
Nitrogen tetroxide (Nitrogen peroxide, nitrogen dioxide), liquid	1068	8, 6a
Nitrosyl chloride	1069	8

Nitrous oxide	1070	
Oil gas	1071	3
Oxygen, compressed	1072	5
Oxygen, liquid	1073	5
Oxygen and carbon dioxide mixtures	1074	
Petroleum gases, liquefied	1075	3
Phosgene (Carbonyl chloride)	1076	6a, 8
Propylene (Propene)	1077	3
Refrigerant gases, n.o.s.	1078	
Sulphur dioxide, liquefied	1079	
Sulphur hexafluoride	1080	
Tetrafluoroethylene, inhibited	1081	
Trifluorochloroethylene	1082	
Trimethylamine, anhydrous	1083	3
Trimethylamine	1084	3
Vinyl bromide, inhibited	1085	
Vinyl chloride, inhibited	1086	3
Vinyl methyl ether, inhibited	1087	3

Class 3 - Inflammable liquids

Acetal	1088
Acetaldehyde (Aldehyde)	1089
Acetone	1090
Acetone oils	1091
Acrolein (Acraldehyde)	1092
Acrylonitrile	1093
Alcohols, liquid, n.o.s., having a flash point below 150°F. (65.6°C.)	1094
Alcohol, denatured	1095
Alcohol, industrial	1096
Aldehydes, n.o.s., having a flash point below 150°F. (65.6°C.)	1097
Allyl alcohol	1098
Allyl bromide	1099
Allyl chloride	1100
Aluminium diethylmonochloride	1101
Aluminium triethyl	1102
Aluminium trimethyl	1103
Amyl acetate	1104
Amyl alcohol	1105
Amylamine	1106
Amyl chloride	1107
Amylene, normal	1108
Amyl formate	1109
Amyl methyl ketone (Methyl amyl ketone)	1110
Amyl mercaptan	1111

Amyl nitrate	1112
Amyl nitrite	1113
Benzene (Benzol)	1114
Benzine	1115
Bitumen or asphalt cut-backs (Road asphalt or tar liquid)	1116
Box toe gum	1117
Brake fluid, hydraulic	1118
Bromobenzene (Monobromobenzene)	1119
Butanol (Butyl alcohol)	1120
sec. Butanol (Secondary butyl alcohol)	1121
tert. Butanol (Tertiary butyl alcohol)	1122
Butyl acetate	1123
Butyl acetate, secondary	1124
Butylamine, normal	1125
Butyl bromide, normal	1126
Butyl chloride, normal	1127
Butyl formate, normal	1128
Butyraldehyde	1129
Camphor oil	1130
Carbon disulphide (Carbon bisulphide)	1131
Carbon remover, liquid	1132
Cement, adhesive, containing an inflammable liquid and having a flash point below 150°F. (65.6°C.)	1133
Chlorobenzene (Monochlorobenzene)	1134
2-Chloroethanol (Ethylene chlorohydrin)	1135

Coal tar distillate containing Benzene or Homologues (Coal tar oil)	1136
Coal tar light oil	1137
Coal tar naphtha	1138
Coating solution	1139
Collodion cotton (Nitrocellulose)	1140
Collodions	1141
Compounds, anti-freeze, cleaning, enamel, lacquer, paint or varnish, etc., removing, reducing or thinning liquid, polishing, vulcanising, de-icing fluids, dressing leather, all flammable	1142
Crotonaldehyde	1143
Crotonylene	1144
Cyclohexane	1145
Cyclopentane	1146
Decahydronaphthalene (Decalin)	1147
Diacetone alcohol, having a flash point below 150°F. (65.6°C.)	1148
Dibutyl ether (Butyl ether)	1149
Dichloroethylene	1150
1 : 2-Dichloroethane (Ethylene dichloride)	1151
Dichloropentanes	1152
1 : 2-Diethoxyethane (see Ethylene glycol diethyl ether)	1153
Diethylamine	1154
Diethyl ether (Ethyl ether, anaesthetic ether, sulphuric ether)	1155
Diethyl ketone	1156

Diisobutyl ketone	1157
Diisopropylamine	1158
Diisopropyl ether	1159
Dimethylamine solution	1160
Dimethyl carbonate	1161
Dimethyldichlorosilane	1162
Dimethylhydrazine, unsymmetrical	1163
Dimethyl sulphide	1164
Dioxane	1165
Dioxalane	1166
Divinyl ether	1167
Driers, paint or varnish, in liquid form	1168
Essences, having a flash point below 150°F. (65.6°C.)	1169
Ethanol (Ethyl alcohol)	1170
2-Ethoxyethanol (Ethylene glycol monoethyl ether)	1171
2-Ethoxyethyl acetate (Ethylene glycol monoethyl ether acetate)	1172
Ethyl acetate	1173
Ethyl alcohol (see "Ethanol")	1170
Ethylbenzene	1175
Ethyl borate	1176
Ethylbutyl acetate	1177
Ethylbutyraldehyde	1178
Ethyl butyl ether	1179
Ethyl butyrate	1180
Ethyl chloroacetate	1181

Ethyl chloroformate (Ethyl chlorocarbonate)	1182
Ethyl dichlorosilane	1183
Ethylene dichloride	1184
Ethyleneimine, inhibited	1185
Ethylene glycol monoethyl ether	1186
Ethylene glycol monoethyl ether acetate	1187
Ethylene glycol monomethyl ether	1188
Ethylene glycol monomethyl ether acetate	1189
Ethyl formate	1190
Ethyl hexaldehyde	1191
Ethyl lactate	1192
Ethyl methyl ketone (Methyl ethyl ketone)	1193
Ethyl nitrite (Nitrous ether, spirit of ether nit., sweet spirit of nitre)	1194
Ethyl propionate	1195
Ethyltrichlorosilane	1196
Extracts, flavouring, liquid having a flash point below 150°F. (65.6°C.)	1197
Formaldehyde solution (Formalin) having a flash point below 150°F. (65.6°C.)	1198
Furfural	1199
Furniture stain, having a flash point below 150°F. (65.6°C.)	1200
Fusel oil (see "Amyl alcohol")	1201
Gas oil, having a flash point below 150°F. (65.6°C.)	1202
Gasoline	1203

Glyceryl trinitrate (Nitro-glycerin solution 5% in alcohol)	1204
Gutta percha solution, having a flash point below 150°F. (65.6°C.)	1205
Heptane	1206
Hexaldehyde	1207
Hexane	1208
Inflammable liquids, n.o.s., having a flash point below 150°F. (65.6°C.)	1209
Ink, printers, having a flash point below 150°F. (65.6°C.)	1210
Insecticides, liquid, and aerosol, having a flash point below 150°F. (65.6°C.) (according to the hazards of the <u>active</u> constituent)	1211
Isobutanol (Isobutyl alcohol)	1212
Isobutyl acetate	1213
Isobutylamine	1214
Isooctane	1215
Isooctene	1216
Isopentane	1217
Isoprene, inhibited	1218
Isopropanol (Isopropyl alcohol)	1219
Isopropyl acetate	1220
Isopropylamine	1221
Isopropyl nitrate	1222
Kerosene (Paraffin)	1223
Ketones, liquid, n.o.s., having a flash point below 150°F. (65.6°C.)	1224
Lacquer-chips wet with an inflammable liquid, having a flash point below 150°F. (65.6°C.)	1225

Lighter fluid	1226
Lighters containing flammable liquid	1227
Mercaptans and mixtures, liquid	1228
Mesityl oxide	1229
Methanol (Methyl alcohol, wood alcohol, Columbian spirits)	1230
Methyl acetate	1231
Methyl acetone	1232
Methyl amylacetate	1233
Methylal	1234
Methylamine, aqueous solution	1235
Methylated spirit	1236
Methyl butyrate	1237
Methyl chloroformate (Methyl chlorocarbonate)	1238
Methylchloromethyl ether, anhydrous	1239
Methylcyclohexane	1240
Methylcyclopentane	1241
Methyldichlorosilane	1242
Methyl formate	1243
Methylhydrazine	1244
Methyl isobutyl ketone	1245
Methyl isopropenyl ketone	1246
Methyl methacrylate monomer	1247
Methyl propionate	1248
Methyl propyl ketone	1249
Methyltrichlorosilane	1250
Methyl vinyl ketone	1251

Motor spirit (Gasoline, petrol)	1252
Naphtha coal tar	1253
Naphtha distillate	1254
Naphtha, petroleum	1255
Naphtha, solvent	1256
Natural gasoline (Casinghead gasoline)	1257
Neohexane (Dimethylbutane)	1258
Nickel carbonyl	1259
Nitroglycerine, solutions up to 5% in ethyl alcohol	1260
Nitromethane	1261
Octane	1262
Paints, enamels, lacquers, stains, shellac, varnish, fillers (liquid), lacquer base and thinners, etc., having a flash point below 150°F. (65.6°C.)	1263
Paraldehyde	1264
Pentane	1265
Perfumery products containing inflammable solvents, having a flash point below 150°F. (65.6°C.)	1266
Petroleum crude oil	1267
Petroleum distillate, having a flash point below 150°F. (65.6°C.)	1268
Petroleum naphtha	1269
Petroleum oil, having a flash point below 150°F. (65.6°C.)	1270
Petroleum spirit (Benzene, benzolene, lythene, petroleum ether)	1271

Pine oil, having a flash point below 150°F. (65.6°C.)	1272
Polishes, having a flash point below 150°F. (65.6°C.)	1273
Propanol (Propyl alcohol)	1274
Propionaldehyde	1275
Propyl acetate, normal	1276
Propylamine, mono	1277
Propyl chloride	1278
Propylene dichloride	1279
Propylene oxide	1280
Propyl formate	1281
Pyridine	1282
Pyroxylin solutions	1283
Pyroxylin solvents having a flash point below 150°F. (65.6°C.)	1284
Road asphalt tars or oil, having a flash point below 150°F. (65.6°C.)	1285
Rosin oil, having a flash point below 150°F. (65.6°C.)	1286
Rubber (Indiarubber) solution, having a flash point below 150°F. (65.6°C.)	1287
Shale oil, having a flash point below 150°F. (65.6°C.)	1288
Sodium methylate/alcohol mixture	1289
Solvents, n.o.s.	1290
Tar, liquid, having a flash point below 150°F. (65.6°C.)	1291
Tetraethyl silicate (Ethyl silicate)	1292

Tinctures, medicinal, having a flash point below 150°F. (65.6°C.)	1293	
Toluene (Toluol)	1294	
Trichlorosilane	1295	8
Triethylamine	1296	
Trimethylamine, solution in water, having a flash point below 150°F. (65.6°C.)	1297	
Trimethylchlorosilane	1298	8
Turpentine	1299	
Turpentine substitute (White spirit)	1300	
Vinyl acetate	1301	
Vinyl ethyl ether	1302	
Vinylidene chloride, inhibited	1303	
Vinyl isobutyl ether	1304	
Vinyltrichlorosilane	1305	8
Wood preservatives containing inflammable liquids, with a flash point below 150°F. (65.6°C.) (6a, if poisonous)	1306	
Xylene (Xylol)	1307	
Zirconium suspended in a liquid, with a flash point below 150°F. (65.6°C.)	1308	

Class 4 (a) - Inflammable solids

Aluminium powder, coated	1309	
*Ammonium picrate, suitably wetted	1310	
Beryllium, powder	1311	6a
Borneol	1312	
Calcium resinate	1313	
Calcium resinate, fused	1314	
Camphor	1315	
Celluloid and celluloid scrap	1316	
Celloidin (see "Nitrocellulose")	1317	
Cobalt resinate, precipitated	1318	
Cork, granulated or ground	1319	
*Dinitrophenol, suitably wetted	1320	
*Dinitrophenolates, suitably wetted	1321	
*Dinitroresorcinol, suitably wetted	1322	
Ferrocium	1323	
Films (Nitrocellulose base)	1324	4b
Flammable solids, n.o.s.	1325	
Hafnium powder	1326	
Hay, straw or bhusa	1327	4b
Hexamine	1328	
Lacquer base and chips (if nitrocellulose base)	1329	
Manganese resinate	1330	
Matches, Bengal and "Strike Anywhere"	1331	4b
Metaldehyde	1332	
Mischmetal	1333	

Naphthalene, crude or refined (Creosote salts)	1334
*Nitrocellulose containing not more than 12.6% nitrogen, wet with not less than 25% water	1335
Nitroguanidine, suitably wetted	1336
Nitrostarch, suitably wetted	1337
Phosphorus amorphous (Red phosphorus)	1338
Phosphorus heptasulphide	1339
Phosphorus pentasulphide	1340
Phosphorus sesquisulphide	1341
Phosphorus sulphides, free from white phosphorus	1342
Phosphorus trisulphide	1343
*Picric acid, suitably wetted	1344
Rubber scrap and rubber shoddy in powdered or granulated form	1345
Silicon powder	1346
*Silver picrate, suitably wetted	1347
*Sodium dinitro-orthocresolate, suitably wetted	1348
Sodium picramate, suitably wetted	1349
Sulphur	1350
Thorium powder	1351
Titanium powder	1352
Toe puffs	1353
*Trinitrobenzene, suitably wetted	1354

*Trinitrobenzoic acid, suitably wetted	1355
*Trinitrotoluene, suitably wetted	1356
*Urea nitrate, suitably wetted	1357
Zirconium metal (wet)	1358

*Substances in Class 4 (a) marked with an asterisk present an explosive hazard when in a dry state. They are permitted under certain conditions when suitably wetted and in this form are regulated by some authorities under Class 9 or other classes.

Class 4 (b) - Inflammable solids, or substances, liable to spontaneous combustion

Bags, nitrate of sodium, yeast, empty and unwashed	1359
Calcium phosphide	1360
Charcoal of animal or mineral origin	1361
Charcoal of vegetable origin	1362
Copra	1363
Cotton waste, oily	1364
Cotton, wet	1365
Diethylzinc	1366
Diethylmagnesium	1367
Dimethylmagnesium	1368
Dimethylparanitrosoaniline	1369
Dimethylzinc	1370
Driers, paint or varnish, in solid form	1371
Fibres, vegetable, burnt, wet or damp	1372
Fibres or fabrics, vegetable, with animal or vegetable oil	1373
Fish scrap or fish meal	1374
Fuel pyrophoric	1375
Iron oxide, spent, or iron sponge, spent (obtained from coal gas purification)	1376
Lamp black, of vegetable origin	1377
Nickel catalyst, finely divided etc., wet with not less than 40% by weight of water or other equally suitable liquid	1378
Paper, treated with unsaturated oils, incompletely dried	1379

Pentaborane	1380	3
Phosphorus, white or yellow, dry or under water or in solution	1381	6a
Potassium sulphide, anhydrous	1382	
Pyrophoric metals and alloys	1383	
Sodium dithionite (Sodium hydrosulphite)	1384	
Sodium sulphide anhydrous or containing less than 30% water of crystallization	1385	
Seed expellers (wet or damp)	1386	
Wool waste, wet	1387	
Zirconium metal, dry, powder or sponge	1388	

Class 4 (c) - Inflammable solids, or substances, which on contact with water emit inflammable gases

Alkali, metal, amalgams, n.o.s.	1389	
Alkali, metal, amides, n.o.s.	1390	
Alkali, metal, dispersions, n.o.s.	1391	
Alkaline earth amalgams, n.o.s.	1392	
Alloys of alkaline earth metals, n.o.s.	1393	
Aluminium carbide	1394	
Aluminium ferrosilicon powder	1395	
Aluminium powder, uncoated	1396	4b
Aluminium phosphide	1397	
Aluminium silicon in powder form	1398	
Barium alloys, non-pyrophoric	1399	
Barium, metal	1400	
Calcium metal and alloys (Non-pyrophoric)	1401	
Calcium carbide (Carbide of calcium)	1402	
Calcium cyanamide, according to purity	1403	
Calcium hydride	1404	
Calcium silicide	1405	
Calcium silicon (Calcium manganese silicon)	1406	
Caesium, metal	1407	
Ferrosilicon, according to purity	1408	6a
Hydrides, n.o.s.	1409	
Lithium Aluminium hydride	1410	
Lithium Aluminium hydride, ethereal	1411	3

Lithium amide, powdered	1412
Lithium borohydride	1413
Lithium hydride	1414
Lithium, metal	1415
Lithium, metal, in cartridges	1416
Lithium silicon	1417
Magnesium and magnesium alloys, powders etc.	1418
Magnesium aluminium phosphide	1419
Potassium, metal	1420
Potassium metallic liquid alloy	1421
Potassium sodium alloy	1422
Rubidium	1423
Sodium, amalgam	1424
Sodium amide	1425
Sodium borohydride	1426
Sodium hydride	1427
Sodium, metal	1428
Sodium metallic dispersion in organic solvent	1429
Sodium metallic liquid alloy	1430
Sodium methylate, dry	1431
Sodium phosphide	1432
Stannic phosphide	1433
Strontium alloys (non-pyrophoric)	1434
Zinc ashes	1435
Zinc, powder or dust	1436
Zirconium hydride	1437

4b

6a

Class 5 (a) - oxidizing substances

Aluminium nitrate	1438	
Ammonium dichromate (Ammonium bichromate)	1439	
Ammonium nitrate and ammonium nitrate fertilizers, subject to certain conditions	1440	
Ammonium nitrite	1441	
Ammonium perchlorate	1442	
Ammonium permanganate	1443	
Ammonium persulphate	1444	
Barium chlorate	1445	6a
Barium nitrate	1446	6a
Barium perchlorate	1447	6a
Barium permanganate	1448	6a
Barium peroxide (Barium binoxide, barium dioxide, barium superoxide)	1449	6a
Bromates, n.o.s.	1450	
Caesium nitrate	1451	
Calcium chlorate	1452	
Calcium chlorite	1453	
Calcium nitrate	1454	
Calcium perchlorate	1455	
Calcium permanganate	1456	
Calcium peroxide (Calcium superoxide)	1457	
Chlorate and borate mixtures	1458	

Chlorate and magnesium chloride mixtures	1459	
Chlorates, in solution, n.o.s.	1460	
Chlorates, solid, not otherwise specified or classified	1461	
Chlorites, n.o.s.	1462	
Chromium trioxide (Chromic acid, solid)	1463	8
Dichromates, n.o.s.	1464	
Didymium nitrate	1465	
Ferric nitrate	1466	
Guanidine nitrate	1467	
Hydrogen peroxide, depending upon concentration	1468	8
Lead nitrate	1469	6a
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Lithium hypochlorite compounds, dry etc., containing more than 39% available chlorine	1471	
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Perchlorates, not otherwise specified or classified	1481
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Potassium nitrite	1488
Potassium perchlorate	1489
Potassium permanganate	1490
Potassium peroxide	1491
Potassium persulphate	1492
Silver nitrate	1493
Sodium bromate	1494
Sodium chlorate (Chlorate of soda)	1495
Sodium chlorite	1496
Sodium dichromate	1497
Sodium nitrate (Chile saltpetre)	1498
Sodium nitrate mixed with potassium nitrate	1499
Sodium nitrite	1500
Sodium perborate	1501
Sodium perchlorate	1502
Sodium permanganate	1503

Sodium peroxide (Sodium binoxide, sodium dioxide, sodium superoxide)	1504
Sodium persulphate	1505
Strontium chlorate	1506
Strontium nitrate	1507
Strontium perchlorate	1508
Strontium peroxide (Strontium dioxide)	1509
Tetranitromethane	1510
Urea hydrogen peroxide (Hydrogen peroxide solid)	1511
Zinc ammonium nitrite	1512
Zinc chlorate	1513
Zinc nitrate	1514
Zinc permanganate	1515
Zinc peroxide	1516
Zirconium picramate, wetted with not less than 20% water	1517

Class 5 (b) - Organic peroxides

Acetyl benzyl peroxide, suitably phlegmatised	1518
Acetyl peroxide, suitably phlegmatised	1519
Benzoyl peroxide, dry	1520
Benzoyl peroxide, suitably phlegmatised	1521
Butylisopropylbenzene hydroperoxide, suitably phlegmatised	1522
Caprylyl peroxide, suitably phlegmatised	1523
Cumene hydroperoxide, suitably phlegmatised	1524
Cyclohexanone peroxide, suitably phlegmatised	1525
2 : 4-Dichlorobenzoylperoxide, suitably phlegmatised	1526
Dicumyl peroxide, suitably phlegmatised	1527
Dimethylhexane dihydroperoxide, suitably phlegmatised	1528
Ethyl methyl ketone peroxide, suitably phlegmatised	1529
Lauroyl peroxide	1530
Parachlorobenzoyl peroxide, suitably phlegmatised	1531
Peracetic acid, suitably phlegmatised	1532
Peroxides, organic, liquid, n.o.s.	1533
Peroxides, organic, solid, n.o.s.	1534

Succinic acid peroxide, suitably phlegmatised	1535
Tertiary butyl peracetate, suitably phlegmatised	1536
Tertiary butyl hydroperoxide, suitably phlegmatised .	1537
Tertiary butyl perbenzoate, suitably phlegmatised	1538
2 : 2-bis (Tertiarybutylperoxy) butane, suitably phlegmatised	1539
Tetrahydronaphthalene hydroperoxide (Tetralin hydroperoxide)	1540

Class 6 (a) - Poisonous (toxic) substances

Acetone cyanhydrin	1541
Aldrin (Insecticides)	1542
Aldrin mixtures, dry and liquid (Insecticides)	1543
Alkaloids, poisonous, and their salts	1544
Allyl isothiocyanate	1545
Ammonium arsenate, solid	1546
Aniline (Aniline oil, phenyl- amine, aminobenzene)	1547
Aniline hydrochloride (Aniline chloride, aniline salt)	1548
Antimony compounds, n.o.s., if sufficiently poisonous	1549
Antimony lactate	1550
Antimonyl potassium tartrate (Tartar emetic)	1551
Antimony sulphide	1552
Arsenic acid, liquid	1553
Arsenic acid, solid	1554
Arsenic bromide	1555
Arsenic compounds, liquid, n.o.s., including: arsenates, arsenites, sulphides and organic compounds of arsenic	1556
Arsenic compounds, solid, n.o.s., including: arsenates, arsenites, sulphides and organic compounds of arsenic	1557
Arsenic, metal	1558
Arsenic pentoxide	1559

Arsenic trichloride (Arsenic chloride, arsenious chloride, arsenous chloride, butter of arsenic, caustic arsenic chloride, caustic oil of arsenic, fuming liquid arsenic)	1560
Arsenic trioxide (White arsenic)	1561
Arsenical dust (Arsenical flue dust)	1562
Arsenical sheep dip	1563
Barium compounds, n.o.s., excluding barium sulphate	1564
Barium cyanide	1565
Beryllium compounds	1566
Beryllium, metal powder	1567
Bordeaux arsenites, liquid and solid	1568
Bromoacetone	1569
Brucine	1570
Barium azide	1571
Cacodylic acid (Dimethyl-arsinic acid)	1572
Calcium arsenate	1573
Calcium arsenate and arsenite, solid	1574
Calcium cyanide	1575
Chloroanilines	1576
Chlorodinitrobenzene (Dinitrochlorobenzene)	1577
Chloronitrobenzenes	1578
4-Chloro-orthotoluidine hydrochloride	1579
Chloropicrin (Trichloronitro-methane)	1580

Chloropicrin and methyl bromide mixtures	1581	
Chloropicrin and methyl chloride mixtures	1582	
Chloropicrin mixtures, n.o.s.	1583	
Cocculus, solid	1584	
Copper acetoarsenite	1585	
Copper arsenite	1586	
Copper cyanide	1587	
Cyanides, n.o.s. (not including ferricyanides and ferrocyanides)	1588	
Cyanogen chloride	1589	2
Dichloroaniline, liquid	1590	
o-Dichlorobenzene (Orthodichlorobenzene)	1591	
p-Dichlorobenzene (Paradichlorobenzene)	1592	
Dichloromethane (Methylene chloride)	1593	
Diethyl sulphate (Ethyl sulphate)	1594	
Dimethyl sulphate (Methyl sulphate)	1595	8
Dinitroaniline, liquid	1596	
Dinitrobenzenes, (e.g. metadinitrobenzene)	1597	
Dinitro-orthocresol	1598	
Dinitrophenol solutions	1599	
Dinitrotoluenes, liquid	1600	3
Disinfectants, if containing a substantial proportion of poisonous substances (according to the hazard of the <u>active</u> constituent)	1601	

Dye intermediates, n.o.s., poisonous, liquid or solid	1602
Ethyl bromoacetate	1603
Ethylenediamine	1604
Ethylene dibromide	1605
Ferric arsenate	1606
Ferric arsenite	1607
Ferrous arsenate	1608
Fungicides (according to the hazard of the <u>active</u> constituent)	1609
Halogenated irritating liquid substances (i.e. Methyl- bromoacetone)	1610
Haxethyl tetraphosphate	1611
Hexaethyl tetraphosphate and compressed gas mixtures	1612
Hydrocyanic acid solutions	1613
Hydrogen cyanide, anhydrous, stabilized (Hydrocyanic acid, prussic acid)	1614
Insecticides, solid, under compressed gas, or liquid having a flash point over 150°F. (65.6°C.)	1615
Lead acetate	1616
Lead arsenate	1617
Lead arsenite	1618
Lead chromate	1619
Lead cyanide	1620
London Purple	1621
Magnesium arsenate	1622
Mercuric arsenate	1623

Mercuric chloride (Corrosive sublimates, mercury bichloride)	1624	2
Mercuric nitrate	1625	
Mercuric potassium cyanide	1626	
Mercurous nitrate	1627	
Mercurous sulphate	1628	
Mercury acetate	1629	
Mercury ammonium chloride	1630	
Mercury benzoate	1631	
Mercury bichloride (see "Mercuric chloride")	1624	
Mercury bisulphate	1633	
Mercury bromides	1634	
Mercury compounds, n.o.s., excepting mercurous chloride	1635	
Mercury cyanide	1636	
Mercury gluconate	1637	
Mercury iodide	1638	
Mercury nucleate (Mercuriol)	1639	
Mercury oleate	1640	
Mercury oxide	1641	
Mercury oxycyanide	1642	
Mercury potassium iodide	1643	
Mercury salicylate	1644	
Mercury sulphate	1645	
Mercury thiocyanate	1646	
Methyl bromide and ethylene dibromide liquid mixtures	1647	
Methyl cyanide (Acetonitrile)	1648	

Motor fuel anti-knock compounds ("Ethyl fluid")	1649
Naphthylamine, alpha and beta	1650
Naphthylthiourea	1651
Naphthylurea	1652
Nickel cyanide	1653
Nicotine	1654
Nicotine compounds and preparations thereof, n.o.s.	1655
Nicotine hydrochloride and solutions thereof	1656
Nicotine salicylate	1657
Nicotine sulphate, solid or in solution	1658
Nicotine tartrate	1659
Nitric oxide	1660
p-Nitroaniline (Paranitroaniline)	1661
Nitrobenzene (Nitrobenzol, mirbane oil)	1662
p-Nitrophenol (Paranitrophenol)	1663
Nitrotoluene (Ortho-, para- nitrotoluene)	1664
Nitroxylol	1665
Oxalic acid	1666
Oxalic salts	1667
Parathions and mixtures, solid, liquid or under compressed gas	1668
Pentachloroethane	1669
Perchloromethylmercaptan	1670
Phenol (Carbolic acid)	1671
Phenylcarbylamine chloride	1672

m-Phenylenediamine (Metaphenylenediamine)	1673
Phenylmercuric acetate	1674
Poisonous liquids or solids, n.o.s.	1675
Poisonous gases, n.o.s.	1676
Potassium arsenate	1677
Potassium arsenite	1678
Potassium cuprocyanide	1679
Potassium cyanide	1680
Rodenticides	1681
Sheep dips (according to the chief hazardous constituent)	1682
Silver arsenite	1683
Silver cyanide	1684
Sodium arsenate	1685
Sodium arsenite, solution	1686
Sodium azide	1687
Sodium cacodylate	1688
Sodium cyanide	1689
Sodium fluoride	1690
Strontium arsenite	1691
Strychnine and salts thereof	1692
Tear gas, irritating substances, liquid or solid, n.o.s., such as:	1693
Bromobenzyl cyanide, liquid	1694
Chloroacetone, stabilized	1695
Chloroacetone, unstabilized	1696
Chloroacetophenone	1697
Diphenylamine chloroarsine	1698

Diphenyl chloroarsine, solid	1699	
Tear gas candles	1700	
Xylyl bromide	1701	
Tetrachloroethane (Acetylene tetrachloride)	1702	
Tetraethyl dithiopyrophosphate and compressed gas mixtures	1703	2
Tetraethyl dithiopyrophosphate, liquid, mixture or dry	1704	
Tetraethyl pyrophosphate and compressed gas mixture	1705	2
Tetraethyl lead (Lead tetraethyl)	1706	
Thallium compounds	1707	
Toluidine, liquid	1708	
2 : 4-Toluylenediamine	1709	
Trichloroethylene	1710	
Xylidine	1711	
Zinc arsenate and arsenite, solid	1712	
Zinc cyanide	1713	
Zinc phosphide	1714	

Class 6 (b) - Infectious substances

Note: In the case of infectious substances (class 6 (b)), the Committee did not consider specific substances, as such substances are easily recognizable scientifically and would be described by their scientific name.

Class 7 - Radioactive substances

Note: In the case of radioactive substances (class 7), the Committee recommended that the International Atomic Energy Agency (IAEA) be entrusted with the drafting of recommendations on the transfer of such substances, provided that these recommendations be consistent with the framework and general principles of recommendations of the Committee and be established in consultation with the United Nations and the specialized agencies concerned.

Class 8 - Corrosives

Acetic anhydride	1715
Acetyl bromide	1716
Acetyl chloride	1717
Acid butyl phosphate	1718
Alkaline caustic liquids, n.o.s.	1719
Alkaline corrosive battery fluid with storage battery	1720
Alkaline corrosive battery fluid	1721
Allyl chloroformate	1722
Allyl iodide	1723
Allyl trichlorosilane	1724
Aluminium bromide, anhydrous	1725
Aluminium chloride, anhydrous	1726
Ammonium hydrogen fluoride (Ammonium bifluoride)	1727
Amyltrichlorosilane	1728
Anisoyl chloride	1729
Antimony pentachloride (Antimony perchloride)	1730
Antimony pentachloride and solutions	1731
Antimony pentafluoride	1732
Antimony trichloride (Antimonious chloride, caustic antimony, butter of antimony, mineral butter)	1733
Batteries, electric storage, wet or charged (Accumulators, electric)	1734
Battery fluid (electrolyte)	1735
Benzoyl chloride	1736

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Benzyl bromide	1737.	
Benzyl chloride	1738	6a
Benzyl chloroformate	1739	
Bifluorides, n.o.s.	1740	
Boron trichloride	1741	6a
Boron trifluoride acetic acid complex	1742	
Boron trifluoride propionic acid complex	1743	
Bromine and solutions of bromine	1744	6a
Bromine pentafluoride	1745	6a, 5a
Bromine trifluoride	1746	6a, 5a,
Butyltrichlorosilane	1747	
Calcium hypochlorite compounds, dry, containing more than 8.80% available oxygen (39% available chlorine)	1748	
Chlorine trifluoride	1749	6a, 5a,2
Chloroacetic acid (Mono- chloroacetic acid)	1750	
Chloroacetic acids, solid	1751	
Chloroacetyl chloride	1752	
Chlorophenyl trichlorosilane	1753	
Chlorosulphonic acid (with or without sulphur trioxide)	1754	
Chromic acid solution	1755	
Chromic fluoride	1756	
Chromic fluoride solution	1757	5a, 2
Chromium oxychloride	1758	
Compounds and preparations for cleaning, rust removing, etc., and fungicides if sufficiently corrosive	1759	

Corrosive liquids, n.o.s.	1760
Cupriethylenediamine solution	1761
Cyclohexenyltrichlorosilane	1762
Cyclohexyltrichlorosilane	1763
Dichloroacetic acid	1764
Dichloroacetyl chloride	1765
Dichlorophenyltrichlorosilane	1766
Diethyldichlorosilane	1767
Difluorophosphoric acid, anhydrous	1768
Diphenyldichlorosilane	1769
Diphenylmethyl bromide	1770
Dodecyltrichlorosilane	1771
Electrolyte (acid or alkaline) for batteries	1772
Ferric chloride (Iron chloride, iron perchloride, iron sesqui- chloride)	1773
Fire extinguisher charges, corrosive liquid	1774
Fluoboric acid (Hydrofluoboric acid)	1775
Fluorophosphoric acid, anhydrous	1776
Fluorosulphonic acid	1777
Fluosilicic acid (Silicofluoric acid, hydrosilicofluoric acid, hydrofluosilicic acid, sand acid)	1778
Formic acid	1779
Fumaryl chloride	1780
Hexadecyltrichlorosilane	1781
Hexafluorophosphoric acid	1782

Hexamethylenediamine solution	1783	
Hexyltrichlorosilane	1784	
Hydrazine (Diamine) anhydrous or containing 50% or less of water	1785	
Hydrofluoric and Sulphuric acid mixtures	1786	
Hydriodic acid (Hydrogen iodide solution)	1787	
Hydrobromic acid (Hydrogen bromide solution)	1788	
Hydrochloric acid (Muriatic acid, spirits of salts, in solution and mixtures)	1789	
Hydrofluoric acid solution (Fluoric acid, hydrogen fluoride solution)	1790	
Hypochlorite solutions (Bleach liquor) if chlorine content sufficiently high	1791	
Iodine monochloride	1792	
Isopropyl acid phosphate	1793	
Lead sulphate containing more than 3% free acid	1794	
Methyl hydrazine	1795	3
Mixed acid or nitrating acid (when consisting of a mixture of sulphuric and nitric acid)	1796	
Nitric acid (all grades)	1797	5
Nitrohydrochloric acid (Nitromuriatic acid)	1798	
Nonyltrichlorosilane	1799	
Octadecyltrichlorosilane	1800	
Octyltrichlorosilane	1801	
Perchloric acid (not exceeding 72% w/w)	1802	5

Phenolsulphonic acid liquid	1803	
Phenyltrichlorosilane	1804	
Phosphoric acid, ortho	1805	
Phosphorus pentachloride	1806	4a
Phosphorus pentoxide (Phosphoric acid, anhydrous)	1807	4a
Phosphorus tribromide (Phosphorus bromide)	1808	
Phosphorus trichloride (Phosphorus chloride)	1809	
Phosphoryl chloride (Phosphorus oxychloride)	1810	
Potassium bifluoride, solid or solution	1811	
Potassium fluoride, solid or solution	1812	
Potassium hydroxide, solid	1813	
Potassium hydroxide solution (Potassium hydrate, potassium hydroxide liquid, caustic potash, potash liquor)	1814	
Propionyl chloride	1815	
Propyltrichlorosilane	1816	
Pyrosulphuryl chloride	1817	
Silicon tetrachloride (Silicon chloride)	1818	
Sodium aluminate solution	1819	
Sodium fluoride solution	1820	
Sodium hydrogen sulphate containing more than 3% free acid	1821	
Sodium hydrogen sulphate solution	1822	
Sodium hydroxide, solid	1823	

Sodium hydroxide solution (Caustic soda liquor, sodium hydrate, lye)	1824
Sodium monoxide	1825
Spent or sludge acid	1826
Stannic chloride anhydrous (Tin tetrachloride, tin chloride fuming)	1827
Sulphur chlorides (Sulphur dichloride, sulphur monochloride)	1828
Sulphur trioxide stabilized	1829
Sulphuric acid	1830
Sulphuric acid fuming	1831
Sulphuric acid spent	1832
Sulphurous acid	1833
Sulphuryl chloride	1834
Tetramethylammonium hydroxide	1835
Thionyl chloride	1836
Thiophosphoryl chloride	1837
Titanium tetrachloride	1838
Trichloroacetic acid solution	1839
Zinc chloride solution	1840

Class 9 - Miscellaneous dangerous substances

These are substances whose characteristics do not warrant inclusion in the other classes but which have inherent properties which make them unsuitable for carriage unless properly packaged.

Acetaldehyde ammonia	1841	
Acetic acid, glacial and over 90% w/w	1842	
Ammonium dinitro-orthocresolate	1843	
Benzoylperoxide, wet	1844	
Carbon dioxide, solid	1845	
Carbon tetrachloride	1846	
Potassium sulphide, hydrated	1847	6a
Propionic acid	1848	
Sodium sulphide, hydrated	1849	

To be classified according to hazardous constituent

Eradicators, paint or grease, liquid (same class as the liquid used)	1850	
Medicines, n.o.s. (according to the most hazardous constituent)	1851	
Weed killers, other than those containing hormones (according to the most hazardous constituent)	1852	