

## REACH Compliance Declaration

On December 18, 2006, the European Parliament and the Council of the European Union adopted a regulation on chemical substances, titled Registration, Evaluation, Authorization and Restriction of Chemicals ("REACH"), EC No. 1907/2006. All Allegro parts are not intended to release any substance under normal and reasonable foreseeable conditions of use. Active Allegro parts are compliant with the latest "Candidate List of SVHC for Authorisation" (July 2019 – 201 Substances – listed on the following pages) and do not contain any of these substances in a concentration above 0.1% (w/w). Allegro's parts are also compliant with the latest restrictions detailed in REACH Annex XVII (June 2018 – 68 substances) based on the substance-application use combination(s) detailed in the regulation. For detailed information on the substances used in any of Allegro's parts, please contact your local sales or marketing representative for a material declaration report.

Allegro MicroSystems, LLC is pleased to provide our customers with information regarding the materials used in the manufacturing of our semiconductor products. We value our relationship and appreciate the need for environmental controls. Allegro considers itself to be an environmentally responsible company.

We believe that we are in compliance with all applicable local, state, federal, and international environmental regulations. To the best of our knowledge, applicable hazardous substances are not present, in excess of specified threshold limits, in the parts that Allegro sells.

Allegro takes environmental control seriously and we want to assure our customers that we are doing everything reasonably possible to maintain compliance with all environmental standards. However, because we are not the producer of any of the materials contained in our product, notwithstanding anything to the contrary contained in any document, Allegro shall not be liable, under any theory of law, and shall not be responsible to defend or indemnify any party should any material be out of compliance. We believe the controls we have in place will help to assure that Allegro remains compliant. We remain willing to answer any questions you may have regarding our environmental controls.



Kristian Bonzey

Environmental Compliance Analyst

August 9, 2019

#	Substance Name	CAS #	Concentration Threshold (PPM w/w)	Date of inclusion
1	Anthracene	120-12-7	1000	2008.10.28
2	4,4'- Diaminodiphenylmethane	101-77-9	1000	2008.10.28
3	Dibutyl phthalate	84-74-2	1000	2008.10.28
4	Cobalt dichloride	7646-79-9	1000	2008.10.28
5	Diarsenic pentaoxide	1303-28-2	1000	2008.10.28
6	Diarsenic trioxide	1327-53-3	1000	2008.10.28
7	Sodium dichromate, dihydrate	10588-01-9	1000	2008.10.28
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	1000	2008.10.28
9	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	1000	2008.10.28
10	Hexabromocyclododecane (HBCDD)	3194-55-6	1000	2008.10.28
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	1000	2008.10.28
12	Bis(tributyltin) oxide,hexabutyldistannoxane	56-35-9	1000	2008.10.28
13	Lead hydrogen arsenate	7784-40-9	1000	2008.10.28
14	Triethyl arsenate	15606-95-8	1000	2008.10.28
15	Benzyl butyl phthalate	85-68-7	1000	2008.10.28
16	2,4-Dinitrotoluene	121-14-2	1000	2010.1.13
17	Anthracene oil	90640-80-5	1000	2010.1.13
18	Anthracene oil, anthracene paste	90640-81-6	1000	2010.1.13
19	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	1000	2010.1.13
20	Anthracene oil, anthracene paste, distn. lights	91995-17-4	1000	2010.1.13
21	Anthracene oil, anthracene-low	90640-82-7	1000	2010.1.13
22	Diisobutyl phthalate	84-69-5	1000	2010.1.13
23	Lead chromate	7758-97-6	1000	2010.1.13
24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	1000	2010.1.13



#	Substance Name	CAS #	Concentration Threshold (PPM w/w)	Date of inclusion
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	1000	2010.1.13
26	Pitch, coal tar, high temp.	65996-93-2	1000	2010.1.13
27	Tris(2-chloroethyl)phosphate	115-96-8	1000	2010.1.13
28	Acrylamide	79-06-1	1000	2010.3.30
29	Trichloroethylene	79-01-6	1000	2010.6.18
30	Boric acid	10043-35-3	1000	2010.6.18
31	Disodium tetraborate, anhydrous	1330-43-4	1000	2010.6.18
32	Tetraboron disodium heptaoxide, hydrate	12267-73-1	1000	2010.6.18
33	Sodium chromate	7775-11-3	1000	2010.6.18
34	Potassium chromate	7789-00-6	1000	2010.6.18
35	Ammonium dichromate	7789-09-5	1000	2010.6.18
36	Potassium dichromate	7778-50-9	1000	2010.6.18
37	2-Ethoxyethanol	110-80-5	1000	2010.12.15
38	2-Methoxyethanol	109-86-4	1000	2010.12.15
39	Chromic acid	7738-94-5	1000	2010.12.15
40	Chromium trioxide	1333-82-0	1000	2010.12.15
41	Cobalt(II) carbonate	513-79-1	1000	2010.12.15
42	Cobalt(II) diacetate	71-48-7	1000	2010.12.15
43	Cobalt(II) dinitrate	10141-05-6	1000	2010.12.15
44	Cobalt(II) sulphate	10124-43-3	1000	2010.12.15
45	1,2,3-Trichloropropane	96-18-4	1000	2011.6.20
46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	1000	2011.6.20
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	1000	2011.6.20
48	1-Methyl-2-pyrrolidone	872-50-4	1000	2011.6.20



#	Substance Name	CAS #	Concentration Threshold (PPM w/w)	Date of inclusion
49	2-Ethoxyethyl acetate	111-15-9	1000	2011.6.20
50	Hydrazine	302-01-2 / 7803-57-8	1000	2011.6.20
51	Strontium chromate	7789-06-2	1000	2011.6.20
52	Dichromium tris(chromate)	24613-89-6	1000	2011.12.19
53	Potassium hydroxyoctaoxodizincatedi-chromate	11103-86-9	1000	2011.12.19
54	Pentazinc chromate octahydroxide	49663-84-5	1000	2011.12.19
55	Aluminosilicate Refractory Ceramic Fibres (RCF)	-	1000	2011.12.19
56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	-	1000	2011.12.19
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	1000	2011.12.19
58	Bis(2-methoxyethyl) phthalate	117-82-8	1000	2011.12.19
59	2-Methoxyaniline; o-Anisidine	90-04-0	1000	2011.12.19
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	1000	2011.12.19
61	1,2-Dichloroethane	107-06-2	1000	2011.12.19
62	Bis(2-methoxyethyl) ether	111-96-6	1000	2011.12.19
63	Arsenic acid	7778-39-4	1000	2011.12.19
64	Calcium arsenate	7778-44-1	1000	2011.12.19
65	Trilead diarsenate	3687-31-8	1000	2011.12.19
66	N,N-dimethylacetamide (DMAC)	127-19-5	1000	2011.12.19
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	1000	2011.12.19
68	Phenolphthalein	77-09-8	1000	2011.12.19
69	Lead azide Lead diazide	13424-46-9	1000	2011.12.19
70	Lead styphnate	15245-44-0	1000	2011.12.19
71	Lead dipicrate	6477-64-1	1000	2011.12.19



#	Substance Name	CAS #	Concentration Threshold (PPM w/w)	Date of inclusion
72	$\alpha,\alpha$ .Bis[4.(dimethylamino)phenyl].4 (phenylamino)naphthalene.1.methanol (C.I. Solvent Blue 4) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202.027.5) or Michler's base (EC No. 202.959.2)]	6786-83-0	1000	2012.6.18
73	N,N,N',N'.tetramethyl.4,4'.methylenedianiline (Michler's base)	101-61-1	1000	2012.6.18
74	1,3,5.tris[(2S and 2R).2,3.epoxypropyl].1,3,5.triazine.2,4,6.(1H,3H,5H).trione ( $\beta$ .TGIC)	59653-74-6	1000	2012.6.18
75	Diboron trioxide	1303-86-2	1000	2012.6.18
76	1,2.bis(2.methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	1000	2012.6.18
77	4,4'.bis(dimethylamino).4'.(methylamino)trityl alcohol [with $\geq 0.1\%$ of Michler's ketone (EC No. 202.027.5) or Michler's base (EC No. 202.959.2)]	561-41-1	1000	2012.6.18
78	Lead(II) bis(methanesulfonate)	17570-76-2	1000	2012.6.18
79	Formamide	75-12-7	1000	2012.6.18
80	[4.[4,4'.bis(dimethylamino)benzhydrylidene]cyclohexa.2,5.dien.1.ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202.027.5) or Michler's base (EC No. 202.959.2)]	548-62-9	1000	2012.6.18
81	1,2.dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	1000	2012.6.18
82	[4.[[4.anilino.1.naphthyl][4.(dimethylamino)phenyl]methylenecyclohexa.2,5.dien.1.ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202.027.5) or Michler's base (EC No. 202.959.2)]	2580-56-5	1000	2012.6.18
83	1,3,5.Tris(oxiran.2.ylmethyl).1,3,5.triazinane.2,4,6.trione (TGIC)	2451-62-9	1000	2012.6.18
84	4,4'.bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	1000	2012.6.18
85	Pyrochlore, antimony lead yellow	8012-00-8	1000	2012.12.19
86	6-methoxy-m-toluidine (p-cresidine)	120-71-8	1000	2012.12.19
87	Henicosafuoroundecanoic acid	2058-94-8	1000	2012.12.19



#	Substance Name	CAS #	Concentration Threshold (PPM w/w)	Date of inclusion
88	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4]	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	1000	2012.12.19
89	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3]	85-42-7, 13149-00-3, 14166-21-3	1000	2012.12.19
90	Dibutyltin dichloride (DBTC)	683-18-1	1000	2012.12.19
91	Lead bis(tetrafluoroborate)	13814-96-5	1000	2012.12.19
92	Lead dinitrate	10099-74-8	1000	2012.12.19
93	Silicic acid, lead salt	11120-22-2	1000	2012.12.19
94	4-Aminoazobenzene	60-09-3	1000	2012.12.19
95	Lead titanium zirconium oxide	12626-81-2	1000	2012.12.19
96	Lead monoxide (lead oxide)	1317-36-8	1000	2012.12.19
97	o-Toluidine	95-53-4	1000	2012.12.19
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	1000	2012.12.19
99	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped	68784-75-8	1000	2012.12.19
100	Trilead bis(carbonate)dihydroxide	1319-46-6	1000	2012.12.19
101	Furan	110-00-9	1000	2012.12.19
102	N,N-dimethylformamide	68-12-2	1000	2012.12.19
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	1000	2012.12.19
104	4-Nonylphenol, branched and linear	-	1000	2012.12.19
105	4,4'-methylenedi-o-toluidine	838-88-0	1000	2012.12.19
106	Diethyl sulphate	64-67-5	1000	2012.12.19
107	Dimethyl sulphate	77-78-1	1000	2012.12.19
108	Lead oxide sulfate	12036-76-9	1000	2012.12.19
109	Lead titanium trioxide	12060-00-3	1000	2012.12.19



#	Substance Name	CAS #	Concentration Threshold (PPM w/w)	Date of inclusion
110	Acetic acid, lead salt, basic	51404-69-4	1000	2012.12.19
111	[Phthalato(2-)]dioxotrilead	69011-06-9	1000	2012.12.19
112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	1000	2012.12.19
113	N-methylacetamide	79-16-3	1000	2012.12.19
114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	1000	2012.12.19
115	1,2-Diethoxyethane	629-14-1	1000	2012.12.19
116	Tetralead trioxide sulphate	12202-17-4	1000	2012.12.19
117	N-pentyl-isopentylphthalate	776297-69-9	1000	2012.12.19
118	Dioxobis(stearato)trilead	12578-12-0	1000	2012.12.19
119	Tetraethyllead	78-00-2	1000	2012.12.19
120	Pentalead tetraoxide sulphate	12065-90-6	1000	2012.12.19
121	Pentacosafuorotridecanoic acid	72629-94-8	1000	2012.12.19
122	Tricosafuorododecanoic acid	307-55-1	1000	2012.12.19
123	Heptacosafuorotetradecanoic acid	376-06-7	1000	2012.12.19
124	1-bromopropane (n-propyl bromide)	106-94-5	1000	2012.12.19
125	Methoxyacetic acid	625-45-6	1000	2012.12.19
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	1000	2012.12.19
127	Methyloxirane (Propylene oxide)	75-56-9	1000	2012.12.19
128	Trilead dioxide phosphonate	12141-20-7	1000	2012.12.19
129	o-aminoazotoluene	97-56-3	1000	2012.12.19
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	1000	2012.12.19
131	4,4'-oxydianiline and its salts	101-80-4	1000	2012.12.19
132	Orange lead (lead tetroxide)	1314-41-6	1000	2012.12.19
133	Biphenyl-4-ylamine	92-67-1	1000	2012.12.19



#	Substance Name	CAS #	Concentration Threshold (PPM w/w)	Date of inclusion
134	Diisopentylphthalate	605-50-5	1000	2012.12.19
135	Fatty acids, C16-18, lead salts	91031-62-8	1000	2012.12.19
136	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	1000	2012.12.19
137	Sulfurous acid, lead salt, dibasic	62229-08-7	1000	2012.12.19
138	Lead cyanamidate	20837-86-9	1000	2012.12.19
139	Cadmium	7440-43-9	1000	2013.6.20
140	Cadmium oxide	1306-19-0	1000	2013.6.20
141	Dipentyl phthalate (DPP)	131-18-0	1000	2013.6.20
142	4-Nonylphenol, branched and linear, ethylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	1000	2013.6.20
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	1000	2013.6.20
144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	1000	2013.6.20
145	Cadmium sulphide	1306-23-6	1000	2013.12.16
146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	1000	2013.12.16
147	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo]][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	1000	2013.12.16
148	Dihexyl phthalate	84-75-3	1000	2013.12.16
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	1000	2013.12.16
150	Lead di(acetate)	301-04-2	1000	2013.12.16
151	Trixylyl phosphate	25155-23-1	1000	2013.12.16
152	Cadmium chloride	10108-64-2	1000	2014.06.16
153	Sodium peroxometaborate	7632-04-4	1000	2014.06.16
154	Sodium perborate; perboric acid, sodium salt	-	1000	2014.06.16





#	Substance Name	CAS #	Concentration Threshold (PPM w/w)	Date of inclusion
155	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	1000	2014.06.16
156	Cadmium fluoride	7790-79-6	1000	2014.12.17
157	Cadmium sulphate	10124-36-4; 31119-53-6	1000	2014.12.17
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	1000	2014.12.17
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	1000	2014.12.17
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	1000	2014.12.17
161	reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	1000	2014.12.17
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1	1000	2015.6.15
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	1000	2015.6.15
164	1,3-propanesultone	1120-71-4	1000	2015.12.17
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	1000	2015.12.17
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	1000	2015.12.17
167	Nitrobenzene	98-95-3	1000	2015.12.17
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	1000	2015.12.17
169	Benzo[def]chrysene	50-32-8	1000	2016.06.20



#	Substance Name	CAS #	Concentration Threshold (PPM w/w)	Date of inclusion
170	p-(1,1-dimethylpropyl)phenol	80-46-6	1000	2017.01.12
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts <ul style="list-style-type: none"> <li>o Ammonium nonadecafluorodecanoate</li> <li>o Decanoic acid, nonadecafluoro-, sodium salt</li> </ul>	335-76-2 3108-42-7 3830-45-3	1000	2017.01.12
172	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	6465-71-0 6465-74-3 6863-24-7 1987-50-4 72624-02-3 1824346-00-0 1139800-98-8 911371-07-8 911371-06-7 911370-98-4 861011-60-1 861010-65-3 857629-71-1 854904-93-1 854904-92-0 102570-52-5 100532-36-3 72861-06-4 71945-81-8 37872-24-5 33104-11-9 30784-32-8 30784-31-7 30784-27-1	1000	2017.01.12
173	4,4'-isopropylidenediphenol	80-05-7	1000	2017.01.12
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	1000	2017.07.07



#	Substance Name	CAS #	Concentration Threshold (PPM w/w)	Date of inclusion
175	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	1000	2018.01.15
176	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadec a-7,15-diene ("Dechlorane Plus" <sup>TM</sup> )	-	1000	2018.01.15
177	Chrysene	218-01-9 1719-03-5	1000	2018.01.15
178	Cadmium nitrate	10022-68-1 10325-94-7	1000	2018.01.15
179	Cadmium hydroxide	21041-95-2	1000	2018.01.15
180	Cadmium carbonate	513-78-0	1000	2018.01.15
181	Benz[a]anthracene	56-55-3 1718-53-2	1000	2018.01.15
182	Terphenyl, hydrogenated	61788-32-7	1000	2018.06.27
183	Octamethylcyclotetrasiloxane	556-67-2	1000	2018.06.27
184	Lead	7439-92-1	1000	2018.06.27
185	Ethylenediamine	107-15-3	1000	2018.06.27
186	Dodecamethylcyclohexasiloxane	540-97-3	1000	2018.06.27
187	Disodium octaborate	12008-41-2	1000	2018.06.27
188	Dicyclohexyl phthalate	84-61-7	1000	2018.06.27
189	Decamethylcyclopentasiloxane	541-02-6	1000	2018.06.27
190	Benzo[ghi]perylene	191-24-2	1000	2018.06.27
191	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	552-30-7	1000	2018.06.27
192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	15087-24-8	1000	2019.01.15
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	1000	2019.01.15
194	Benzo[k]fluoranthene	207-08-9	1000	2019.01.15
195	Fluoranthene	206-44-0;	1000	2019.01.15



#	Substance Name	CAS #	Concentration Threshold (PPM w/w)	Date of inclusion
		93951-69-0		
196	Phenanthrene	85-01-8	1000	2019.01.15
197	Pyrene	129-00-0; 1718-52-1	1000	2019.01.15
198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	-	1000	2019.07.16
199	4-tert-butylphenol	98-54-4	1000	2019.07.16
200	2-methoxyethyl acetate	110-49-6	1000	2019.07.16
201	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	-	1000	2019.07.16



## REACH ANNEX 17 SUBSTANCES

Entry no	Substance Name	EC Number	CAS Number
1	Polychlorinated terphenyls (PCTs)	-	-
2	Chloroethylene (Vinyl chloride)	200-831-0	75-01-4
	Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008 (See group members):  Hazard class 4.1  Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10		
3	Hazard class 5.1.	-	-
4	Tris (2,3 dibromopropyl) phosphate	-	126-72-7
5	Benzene	200-753-7	71-43-2
6a	Asbestos fibres, (a) Crocidolite	-	12001-28-4
6b	Asbestos fibres (b) Amosite	-	12172-73-5
6c	Asbestos fibres (c) Anthophyllite	-	77536-67-5
6d	Asbestos fibres (d) Actinolite	-	77536-66-4
6e	Asbestos fibres (e) Tremolite	-	77536-68-6
6f(1)	Asbestos fibres (f) Chrysotile	-	12001-29-5
6f(2)	Asbestos fibres (f) Chrysotile	-	132207-32-0
7	Tris(aziridinyl)phosphin oxide	208-892-5	545-55-1
8	Polybromobiphenyls; Polybrominatedbiphenyls (PBB)	-	59536-65-1
9a	(a) Soap bark powder (Quillaja saponaria) and its derivatives containing saponines	273-620-4	68990-67-0
9b	(b) Powder of the roots of Helleborus viridis and Helleborus niger	-	-
9c	(c) Powder of the roots of Veratrum album and Veratrum nigrum	-	-
9d	(d) Benzidine and/or its derivatives	202-199-1	92-87-5
9e	(e) o-Nitrobenzaldehyde	209-025-3	552-89-6
9f	(f) Wood powder	-	-
10a	(a) Ammonium sulphide	235-223-4	12135-76-1
10b	(b) Ammonium hydrogen sulphide	235-184-3	12124-99-1
10c	(c) Ammonium polysulphide	232-989-1	9080-17-5
11a	Volatile esters of bromoacetic acids: (a) Methyl bromoacetate	202-499-2	96-32-2
11b	Volatile esters of bromoacetic acids: (b) Ethyl bromoacetate	203-290-9	105-36-2
11c	Volatile esters of bromoacetic acids: (c) Propyl bromoacetate	-	35223-80-4
11d	Volatile esters of bromoacetic acids: (d) Butyl bromoacetate	242-729-9	18991-98-5





29	Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as germ cell mutagen category 1A or 1B (Table 3.1) or mutagen category 1 or 2 (Table 3.2) and listed as follows (See group members): Mutagen category 1B (Table 3.1)/ mutagen category 2 (Table 3.2) listed in Appendix 4 Mutagen category 1A (Table 3.1)/ mutagen category 1 (Table 3.2) listed in Appendix 3	-	-
30	Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as toxic to reproduction category 1A or 1B (Table 3.1) or toxic to reproduction category 1 or 2 (Table 3.2) and listed as follows (See group members): Reproductive toxicant category 1B adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 2 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 6 Reproductive toxicant category 1A adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 1 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 5	-	-
31a	(a) Creosote; wash oil	232-287-5	8001-58-9
31b	(b) Creosote oil; wash oil	263-047-8	61789-28-4
31c	(c) Distillates (coal tar), naphthalene oils; naphthalene oil	283-484-8	84650-04-4
31d	(d) Creosote oil, acenaphthene fraction; wash oil	283-484-8, 292-605-3	90640-84-9
31e	(e) Distillates (coal tar), upper; heavy anthracene oil	266-026-1	65996-91-0
31f	(f) Anthracene oil	292-602-7	90640-80-5
31g	(g) Tar acids, coal, crude; crude phenols	266-019-3	65996-85-2
31h	(h) Creosote, wood	232-419-1	8021-39-4
31i	(i) Low temperature tar oil, alkaline; extract residues (coal), low temperature coal tar alkaline	310-191-5	122384-78-5
32	Chloroform	200-663-8	67-66-3
34	1,1,2-Trichloroethane	201-166-9	79-00-5
35	1,1,2,2-Tetrachloroethane	201-197-8	79-34-5
36	1,1,1,2-Tetrachloroethane	-	630-20-6
37	Pentachloroethane	200-925-1	76-01-7
38	1,1-Dichloroethene	200-864-0	75-35-4
40	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to that Regulation or not.	-	-



41	Hexachloroethane	200-666-4	67-72-1
43	Azocolourants and Azodyes	-	-
45	Diphenylether, octabromo derivative C <sub>12</sub> H <sub>2</sub> Br <sub>8</sub> O	-	-
46a	(a) Nonylphenol C <sub>6</sub> H <sub>4</sub> (OH)C <sub>9</sub> H <sub>19</sub>	246-672-0	25154-52-3
46b	(b) Nonylphenol ethoxylates (C <sub>2</sub> H <sub>4</sub> O) <sub>n</sub> C <sub>15</sub> H <sub>24</sub> O	-	-
47	Chromium VI compounds	-	-
48	Toluene	203-625-9	108-88-3
49	Trichlorobenzene	204-428-0	120-82-1
50a	Polycyclic-aromatic hydrocarbons (PAH) (a) Benzo[a]pyrene (BaP)	-	50-32-8
50b	Polycyclic-aromatic hydrocarbons (PAH) (b) Benzo[e]pyrene (BeP)	-	192-97-2
50c	Polycyclic-aromatic hydrocarbons (PAH) (c) Benzo[a]anthracene (BaA)	-	56-55-3
50d	Polycyclic-aromatic hydrocarbons (PAH) (d) Chrysen (CHR)	-	218-01-9
50e	Polycyclic-aromatic hydrocarbons (PAH) (e) Benzo[b]fluoranthene (BbFA)	-	205-99-2
50f	Polycyclic-aromatic hydrocarbons (PAH) (f) Benzo[j]fluoranthene (BjFA)	-	205-82-3
50g	Polycyclic-aromatic hydrocarbons (PAH) (g) Benzo[k]fluoranthene (BkFA)	-	207-08-9
50h	Polycyclic-aromatic hydrocarbons (PAH) (h) Dibenzo[a,h]anthracene (DBAhA)	-	53-70-3
51a	The following phthalates (or other CAS and EC numbers covering the substance): (a) Bis (2-ethylhexyl) phthalate (DEHP)	204-211-0	117-81-7
51b	The following phthalates (or other CAS and EC numbers covering the substance): (b) Dibutyl phthalate (DBP)	201-557-4	84-74-2
51c	The following phthalates (or other CAS and EC numbers covering the substance): (c) Benzyl butyl phthalate (BBP)	201-622-7	85-68-7
52a	The following phthalates (or other CAS and EC numbers covering the substance) (a) Di-"isodecyl" phthalate (DIDP)	247-977-1 and 271-091-4	26761-40-0 and 68515-49-1
52b	The following phthalates (or other CAS- and EC numbers covering the substance): (b) Di-"isononyl" phthalate (DINP)	249-079-5 and 271-090-9	28553-12-0 and 68515-48-0
52c	The following phthalates (or other CAS- and EC numbers covering the substance): (c) 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	271-091-4	68515-49-1





52d	The following phthalates (or other CAS- and EC numbers covering the substance): (d) 1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	271-090-9	68515-48-0
52e	The following phthalates (or other CAS- and EC numbers covering the substance): (e) Di-n-octyl phthalate (DNOP)	204-214-7	117-84-0
54	2-(2-methoxyethoxy)ethanol (DEGME)	203-906-6	111-77-3
55	2-(2-butoxyethoxy)ethanol (DEGBE)	203-961-6	112-34-5
56	Methylenediphenyl diisocyanate (MDI) including the following specific isomers:	247-714-0	26447-40-5
56a	a) 4,4'-Methylenediphenyl diisocyanate	202-966-0	101-68-8
56b	b) 2,4'-Methylenediphenyl diisocyanate	227-534-9	5873-54-1
56c	c) 2,2'-Methylenediphenyl diisocyanate	219-799-4	2536-68-8
57	Cyclohexane	203-806-2	110-82-7
58	Ammonium nitrate (AN)	229-347-8	6484-52-2
59	Dichloromethane	200-838-9	75-09-2
60	Acrylamide	-	79-06-1
61	Dimethylfumarate (DMF)	210-849-0	624-49-7
62a	Phenylmercury octanoate	-	13864-38-5
62b	Phenylmercury acetate	200-532-5	62-38-4
62c	Phenylmercury neodecanoate	247-783-7	26545-49-3
62d	Phenylmercury 2-ethylhexanoate	236-326-7	13302-00-6
62e	Phenylmercury propionate	203-094-3	103-27-5
63	Lead and its compounds	231-100-4	7439-92-1
64	1,4-Dichlorobenzene (p-dichlorobenzene)	203-400-5	106-46-7
65	Inorganic ammonium salts	-	-
66	4,4'-isopropylidenediphenol Bisphenol A; BPA	201-245-8	80-05-7
67	Bis(pentabromophenyl) ether	214-604-9	1163-19-5
68	Pentadecafluorooctanoic acid	206-397-9	335-67-1
69	Methanol	200-659-6	67-56-1
70	Octamethylcyclotetrasiloxane (D4); Decamethylcyclopentasiloxane (D5)	-	-
71	1-methyl-2-pyrrolidone	212-828-1	872-50-4

