

CAS-Nr	EC-Nr	Substance name	Human Health	Production ReACH	Wide Range of appl. SPIN	Worker Expo REACH	Worker Expo SPIN	OEL EU	OEL Nat	Total	
71-43-2	200-753-7	Benzene	18	15	7	15	5	5	5	70	
50-00-0	200-001-8	Formaldehyde	18	15	15	10	5	0	5	68	
14808-60-7		Quartz (RCS = Respirable Crystalline silica)	18	10	15	15	5	0	5	68	Assumption: More than 1 mT of RCS (Quartz dust) produced during work per annum in Europe. Assumption: CMR Cat 1,
7439-92-1	231-100-4	Lead	18	15	7	10	5	5	5	65	
67-66-3	200-663-8	chloroform	5	18	7	15	5	5	5	60	Acute intoxication risk
107-13-1	203-466-5	Acrylonitrile	18	15	7	10	5	0	5	60	
108-88-3	203-625-9	Toluene	10	10	15	10	5	5	5	60	
872-50-4	212-828-1	1-methyl-2-pyrrolidone	10	10	15	10	5	5	5	60	
		wood dust	10	15	5	15	5	5	3	58	Assumption: More than 1 mT of wood dust produced during work per annum in Europe. Assumption: CMR Cat 1, Worker exposure for REACH and SPIN estimated
101-68-8	202-966-0	4,4'-methylenediphenyl diisocyanate	13	10	15	10	5	0	3	56	
		Diesel Engine Emissions (DEE)	10	15	15	10	5	0	1	56	Assumption: More than 1 mT of DEE produced during work per annum in Europe Assumption: CMR Cat 1, Worker exposure estimated
CAS-Nr	EC-Nr	Substance name	Human Health	Production ReACH	Wide Range of appl. SPIN	Worker Expo REACH	Worker Expo SPIN	OEL EU	OEL Nat	Total	
106-89-8	203-439-8	1-chloro-2,3-epoxypropane	18	10	7	10	5	0	5	55	
630-08-0	211-128-3	carbon monoxide	18	10	2	15	5	0	5	55	Acute intoxication risk
1333-82-0	215-607-8	chromium trioxide	18	10	2	15	5	0	5	55	
1332-21-4 77536-66-4 12172-73-5 12001-29-5 132207-32-0 12001-28-4 132207-33-1 77536-68-6 77536-67-5		Asbestos	18	10	1	10	5	5	5	54	Assumption: less than 1 mT of asbestos removed during work per annum in Europe, no SPIN Data, Worker exposure estimated
302-01-2	206-114-9	hydrazine	18	10	2	15	4	0	5	54	
584-84-9	209-544-5	4-methyl-m-phenylene diisocyanate	13	10	7	15	5	0	3	53	
80-05-7	201-245-8	4,4'-isopropylidene-diphenol	13	10	7	10	5	5	3	53	
79-06-1	201-173-7	acrylamide	18	10	7	5	5	0	5	50	
111-77-3	203-906-6	2-(2-methoxyethoxy)ethanol	5	10	7	15	5	5	3	50	
75-01-4	200-831-0	chloroethylene	10	10	3	10	5	5	5	48	
7440-43-9	231-152-8	cadmium	10	10	7	15	5	0	1	48	
79-01-6	201-167-4	trichloro-ethylene	10	10	3	15	5	0	5	48	
CAS-Nr	EC-Nr	Substance name	Human Health	Production ReACH	Wide Range of appl. SPIN	Worker Expo REACH	Worker Expo SPIN	OEL EU	OEL Nat	Total	
26471-62-5	247-722-4	m-tolylidene diisocyanate	13	10	7	10	5	0	1	46	
10588-01-9	234-190-3	sodium dichromate	18	5	2	15	5	0	1	46	
7440-02-0	231-111-4	nickel	13	10	7	10	5	0	1	46	
7440-48-4	231-158-0	cobalt	8	10	2	15	5	0	5	45	
71-48-7	200-755-8	cobalt di(acetate)	18	5	2	15	5	0		45	
75-15-0	200-843-6	carbon disulphide	5	10	1	15	4	5	5	45	
7440-41-7	231-150-7	beryllium	18	0	2	15	4	0	5	44	
CAS-Nr	EC-Nr	Substance name	Human Health	Production ReACH	Wide Range of appl. SPIN	Worker Expo REACH	Worker Expo SPIN	OEL EU	OEL Nat	Total	
1344-37-2	215-693-7	lead sulfo-chromate yellow	10	10	3	15	5	0	0	43	
12656-85-8	235-759-9	lead chromate molybdate sulfate red	10	10	2	15	5	0	0	42	

1306-19-0	215-146-2	cadmium oxide	10	10	2	15	5	0	0	42
1313-99-1	215-215-7	nickel monoxide	18	10	3	5	5	0	1	42
101-77-9	202-974-4	4,4'-methylenedianiline	18	10	1	5	4	0	3	41
12035-72-2	234-829-6	trinickel disulphide	18	10	1	5	4	0	3	41
7786-81-4	232-104-9	nickel sulphate	18	10	2	5	5	0	1	41
513-79-1	208-169-4	cobalt carbonate	18	5	1	15	1	0	0	40
2451-62-9	219-514-3	1,3,5-tris(oxiran-ylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione	18	5	1	10	3	0	1	38
12607-70-4	235-715-9	[carbonato(2-)]tetrahydroxytrinickel	18	10		5		0		33
13138-45-9	236-068-5	nickel dinitrate	18	10		5		0		33
10124-43-3	233-334-2	cobalt sulphate	18	10		5		0		33
12054-48-7	235-008-5	nickel dihydroxide	18	10		5		0		33
110-85-0	203-808-3	piperazine	13	10		5		5		33
123-31-9	204-617-8	hydroquinone	13	10		10		0		33
85-44-9	201-607-5	phthalic anhydride	8	10		15		0		33
103-11-7	203-080-7	2-ethylhexyl acrylate	8	10		15		0		33
107-15-3	203-468-6	ethylenediamine	8	10		15		0		33
552-30-7	209-008-0	benzene-1,2,4-tricarboxylic acid 1,2-anhydride	8	10		15		0		33
109-55-7	203-680-9	3-aminopropyl dimethylamine	8	10		15		0		33
15625-89-5	239-701-3	2-ethyl-2-[[[(1-oxoallyloxy)methyl]-1,3-propanediyl]diacrylate	8	10		15		0		33
80-62-6	201-297-1	methyl methacrylate	8	10		10		5		33
106-93-4	203-444-5	1,2-dibromoethane	10	5		15		0		30
10043-35-3	233-139-2	boric acid	10	10		10		0		30
117-81-7	204-211-0	bis(2-ethylhexyl) phthalate	10	10		10		0		30
110-71-4	203-794-9	1,2-dimethoxyethane	10	5		15		0		30
68476-33-5	270-675-6	Fuel oil, residual	10	10		10		0		30
111-96-6	203-924-4	bis(2-methoxyethyl) ether	10	5		15		0		30
1330-43-4	215-540-4	disodium tetraborate, anhydrous	10	10		10		0		30
68-12-2	200-679-5	N,N-dimethylformamide	10	10		5		5		30
127-19-5	204-826-4	N,N-dimethylacetamide	10	10		5		5		30
109-86-4	203-713-7	2-methoxyethanol	10	10		5		5		30
91-22-5	202-051-6	quinoline	10	5		15		0		30
78-79-5	201-143-3	isoprene	10	10		10		0		30
87741-01-3	289-339-5	Hydrocarbons, C4	10	10		10		0		30
64742-82-1	265-185-4	Naphtha (petroleum), hydrodesulfurized heavy	10	10		10		0		30
75-21-8	200-849-9	ethylene oxide	10	10		10		0		30
75-56-9	200-879-2	methyloxirane	10	10		10		0		30
106-99-0	203-450-8	buta-1,3-diene	10	10		10		0		30
84-74-2	201-557-4	dibutyl phthalate	5	10		15		0		30
127-18-4	204-825-9	tetrachloroethylene	5	10		15		0		30
74-87-3	200-817-4	chloromethane	5	10		15		0		30
98-00-0	202-626-1	furfuryl alcohol	5	10		15		0		30
110-88-3	203-812-5	1,3,5-trioxane	5	10		15		0		30
1309-64-4	215-175-0	diantimony trioxide	5	10		15		0		30
98-01-1	202-627-7	2-furaldehyde	5	10		15		0		30
123-91-1	204-661-8	1,4-dioxane	5	5		15		5		30
75-00-3	200-830-5	chloroethane	5	5		15		5		30
108-95-2	203-632-7	phenol	5	10		10		5		30
110-54-3	203-777-6	n-hexane	5	10		10		5		30
106-46-7	203-400-5	1,4-dichlorobenzene	5	10		10		5		30
109-99-9	203-726-8	tetrahydrofuran	5	10		10		5		30
98-95-3	202-716-0	nitrobenzene	5	5		15		5		30
98-83-9	202-705-0	2-phenylpropene	0	10		15		5		30
98-82-8	202-704-5	cumene	0	10		15		5		30
7664-39-3	231-634-8	hydrogen fluoride	0	10		15		5		30
142-82-5	205-563-8	heptane	0	10		15		5		30
1314-56-3	215-236-1	diphosphorus pentaoxide	0	10		15		5		30
18718-11-1	242-522-3	nickel bis(dihydrogen phosphate)	18	5		5		0		28

24613-89-6	246-356-2	dichromium tris(chromate)	18	5	5	0	28
12004-35-2	234-454-8	dialuminium nickel tetraoxide	18	5	5	0	28
16812-54-7	240-841-2	nickel sulphide	18	5	5	0	28
100-63-0	202-873-5	phenylhydrazine	18	0	10	0	28
7718-54-9	231-743-0	nickel dichloride	18	5	5	0	28
7646-79-9	231-589-4	cobalt dichloride	18	5	5	0	28
10028-18-9	233-071-3	nickel difluoride	18	5	5	0	28
10141-05-6	233-402-1	cobalt dinitrate	18	5	5	0	28
13770-89-3	237-396-1	nickel bis(sulphamide)	18	5	5	0	28
	430-550-0	1-methyl-4-(methylsulfonyl)-2-nitrobenzene	13	5	10	0	28
5873-54-1	227-534-9	O-(p-isocyanatobenzyl)phenyl isocyanate	13	5	10	0	28
10039-54-0	233-118-8	bis(hydroxylammonium) sulphate	13	10	5	0	28
62-53-3	200-539-3	aniline	13	10	5	0	28
96-29-7	202-496-6	butanone oxime	8	10	10	0	28
26523-78-4	247-759-6	tris(nonylphenyl) phosphite	8	10	10	0	28
110-65-6	203-788-6	but-2-yne-1,4-diol	8	5	15	0	28
1307-96-6	215-154-6	cobalt oxide	8	5	15	0	28
2855-13-2	220-666-8	3-aminomethyl-3,5,5-trimethylcyclohexylamine	8	5	15	0	28
13048-33-4	235-921-9	hexamethylene diacrylate	8	5	15	0	28
-	429-270-1	tetraethyl N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate	8	5	15	0	28
-	415-430-8	A mixture of: 2,2,6,6-tetramethylpiperidin-4-yl-hexadecanoate; 2,2,6,6-tetramethylpiperidin-4-yl-octadecanoate	8	5	15	0	28
-	423-340-5	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	8	5	15	0	28
25068-38-6	500-033-5	2-(chloromethyl)oxirane; 4-[2-(4-hydroxyphenyl)propan-2-yl]phenol (more names disseminated)	8	10	10	0	28
108-31-6	203-571-6	maleic anhydride	8	10	10	0	28
95-33-0	202-411-2	N-cyclohexylbenzothiazole-2-sulfenamide	8	10	10	0	28
97-88-1	202-615-1	butyl methacrylate	8	10	10	0	28
111-40-0	203-865-4	2,2'-iminodi(ethylamine)	8	10	10	0	28
123-77-3	204-650-8	C,C'-azodi(formamide)	8	10	10	0	28
94-36-0	202-327-6	dibenzoyl peroxide	8	10	10	0	28
100-97-0	202-905-8	methenamine	8	10	10	0	28
120-78-5	204-424-9	di(benzothiazol-2-yl) disulphide	8	10	10	0	28
868-77-9	212-782-2	2-hydroxyethyl methacrylate	8	10	10	0	28
5989-27-5	227-813-5	(R)-p-mentha-1,8-diene	8	10	10	0	28
7727-21-1	231-781-8	dipotassium peroxodisulphate	8	10	10	0	28
7727-54-0	231-786-5	diammonium peroxodisulphate	8	10	10	0	28
141-32-2	205-480-7	butyl acrylate	8	10	5	5	28
96-33-3	202-500-6	methyl acrylate	8	10	5	5	28
140-88-5	205-438-8	ethyl acrylate	8	10	5	5	28
75-12-7	200-842-0	formamide	10	0	15	0	25
79-46-9	201-209-1	2-nitropropane	10	0	15	0	25
100-44-7	202-853-6	a-chlorotoluene	10	0	15	0	25
107-06-2	203-458-1	1,2-dichloroethane	10	10	5	0	25
126-99-8	204-818-0	2-chlorobuta-1,3-diene	10	10	5	0	25
1303-86-2	215-125-8	diboron trioxide	10	5	10	0	25
7439-97-6	231-106-7	mercury	10	5	10	0	25

15571-58-1	239-622-4	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate	10	5	10	0	25
2687-91-4	220-250-6	1-ethylpyrrolidin-2-one	10	5	10	0	25
115-96-8	204-118-5	tris(2-chloroethyl) phosphate	10	0	15	0	25
77-09-8	201-004-7	phenolphthalein	10	0	15	0	25
68477-35-0	270-726-2	Distillates (petroleum), C3-6, piperylene-rich	10	10	5	0	25
1306-23-6	215-147-8	cadmium sulphide	10	0	15	0	25
10108-64-2	233-296-7	cadmium chloride	10	0	15	0	25
85-68-7	201-622-7	benzyl butyl phthalate	5	5	15	0	25
556-67-2	209-136-7	octamethylcyclotetrasiloxane	5	10	10	0	25
100-42-5	202-851-5	styrene	5	10	10	0	25
84-69-5	201-553-2	diisobutyl phthalate	5	10	10	0	25
330-54-1	206-354-4	diuron	5	5	15	0	25
98-54-4	202-679-0	4-tert-butylphenol	5	10	10	0	25
56-23-5	200-262-8	carbon tetrachloride	5	5	15	0	25
15245-44-0	239-290-0	lead 2,4,6-trinitro-m-phenylene dioxide	5	5	15	0	25
75-09-2	200-838-9	dichloromethane	5	10	10	0	25
78-59-1	201-126-0	3,5-trimethylcyclohex-2-enone	5	5	15	0	25
88-12-0	201-800-4	1-vinyl-2-pyrrolidone	5	5	15	0	25
108-91-8	203-629-0	cyclohexylamine	5	5	15	0	25
123-30-8	204-616-2	4-aminophenol	5	5	15	0	25
84852-15-3	284-325-5	Phenol, 4-nonyl-, branched	5	10	10	0	25
5064-31-3	225-768-6	trisodium nitrilotriacetate	5	10	10	0	25
25637-99-4	247-148-4	hexabromocyclododecane	5	10	10	0	25
91-20-3	202-049-5	naphthalene	5	10	5	5	25
28553-12-0	249-079-5	di-"isononyl" phthalate	0	10	15	0	25
1308-06-1	215-157-2	tricobalt tetroxide	0	10	15	0	25
7440-36-0	231-146-5	antimony	0	10	15	0	25
7440-21-3	231-130-8	silicon	0	10	15	0	25
115-11-7	204-066-3	2-methylpropene	0	10	15	0	25
409-21-2	206-991-8	silicon carbide	0	10	15	0	25
1327-41-9	215-477-2	Aluminum chloride, basic	0	10	15	0	25
7440-22-4	231-131-3	silver	0	10	15	0	25
7446-09-5	231-195-2	sulphur dioxide	0	10	15	0	25
77-73-6	201-052-9	3a,4,7,7a-tetrahydro-4,7-methanoindene	0	10	15	0	25
104-15-4	203-180-0	toluene-4-sulphonic acid	0	10	15	0	25
108-24-7	203-564-8	acetic anhydride	0	10	15	0	25
111-66-0	203-893-7	oct-1-ene	0	10	15	0	25
120-61-6	204-411-8	dimethyl terephthalate	0	10	15	0	25
124-09-4	204-679-6	hexamethylenediamine	0	10	15	0	25
354-33-6	206-557-8	pentafluoroethane	0	10	15	0	25
839-90-7	212-660-9	tris(2-hydroxyethyl)-1,3,5-triazinetrione	0	10	15	0	25
1302-67-6	215-105-9	Spinel (Mg(AlO2)2)	0	10	15	0	25
1302-93-8	215-113-2	mullite	0	10	15	0	25
1314-23-4	215-227-2	zirconium dioxide	0	10	15	0	25
1317-35-7	215-266-5	trimanganese tetraoxide	0	10	15	0	25
1318-23-6	215-284-3	Boehmite (Al(OH)O)	0	10	15	0	25
6358-85-6	228-787-8	2,2'-(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)bis[3-oxo-N-phenylbutyramide]	0	10	15	0	25
12042-91-0	234-933-1	dialuminium chloride pentahydroxide	0	10	15	0	25
16961-83-4	241-034-8	hexafluorosilicic acid	0	10	15	0	25
39290-78-3	254-400-7	Aluminum chloride hydroxide sulfate	0	10	15	0	25

68603-87-2	271-678-5	Carboxylic acids, di-, C4-6	0	10	15	0	25
-	914-129-3	Reaction mass of chromium hydroxide sulphate and sodium sulphate (more names disseminated)	0	10	15	0	25
75-10-5	200-839-4	difluoromethane	0	10	15	0	25
105-59-9	203-312-7	2,2'-methyliminodiethanol	0	10	15	0	25
111-91-1	203-920-2	bis(2-chloroethoxy)methane	0	10	15	0	25
124-41-4	204-699-5	sodium methanolate	0	10	15	0	25
420-46-2	206-996-5	1,1,1-trifluoroethane	0	10	15	0	25
537-01-9	208-655-6	dicerium tricarbonate	0	10	15	0	25
999-97-3	213-668-5	1,1,1,3,3,3-hexamethyltrisilazane	0	10	15	0	25
5102-83-0	225-822-9	2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2,4-dimethylphenyl)-3-oxobutyramide]	0	10	15	0	25
7550-45-0	231-441-9	titanium tetrachloride	0	10	15	0	25
7786-30-3	232-094-6	magnesium chloride	0	10	15	0	25
11097-59-9	234-319-3	[carbonato(2-)]hexadecahydroxybis(aluminium)hexamagnesium	0	10	15	0	25
13598-37-3	237-067-2	zinc bis(dihydrogen phosphate)	0	10	15	0	25
16893-85-9	240-934-8	disodium hexafluorosilicate	0	10	15	0	25
25167-67-3	246-689-3	butene	0	10	15	0	25
	423-570-6		0	10	15	0	25
1634-04-4	216-653-1	tert-butyl methyl ether	0	10	10	5	25
7647-01-0	231-595-7	hydrogen chloride	0	10	10	5	25
7439-92-1	231-100-4	lead	0	10	10	5	25
95-50-1	202-425-9	1,2-dichlorobenzene	0	5	15	5	25
108-90-7	203-628-5	chlorobenzene	0	5	15	5	25
1305-62-0	215-137-3	calcium dihydroxide	0	10	10	5	25
60-29-7	200-467-2	diethyl ether	0	5	15	5	25
110-86-1	203-809-9	pyridine	0	5	15	5	25
1319-77-3	215-293-2	cresol	0	5	15	5	25
67-56-1	200-659-6	methanol	0	10	10	5	25
107-21-1	203-473-3	ethane-1,2-diol	0	10	10	5	25
7664-41-7	231-635-3	ammonia, anhydrous	0	10	10	5	25
7664-93-9	231-639-5	sulphuric acid	0	10	10	5	25
7697-37-2	231-714-2	nitric acid	0	10	10	5	25
64-19-7	200-580-7	acetic acid	0	10	10	5	25
67-64-1	200-662-2	acetone	0	10	10	5	25
95-47-6	202-422-2	o-xylene	0	10	10	5	25
105-60-2	203-313-2	ε-caprolactam	0	10	10	5	25
106-42-3	203-396-5	p-xylene	0	10	10	5	25
110-82-7	203-806-2	cyclohexane	0	10	10	5	25
7664-38-2	231-633-2	orthophosphoric acid	0	10	10	5	25
64-18-6	200-579-1	formic acid	0	10	10	5	25
78-78-4	201-142-8	2-methylbutane	0	10	10	5	25
78-93-3	201-159-0	butanone	0	10	10	5	25
108-10-1	203-550-1	4-methylpentan-2-one	0	10	10	5	25
108-94-1	203-631-1	cyclohexanone	0	10	10	5	25
109-66-0	203-692-4	pentane	0	10	10	5	25
111-76-2	203-905-0	2-butoxyethanol	0	10	10	5	25
112-07-2	203-933-3	2-butoxyethyl acetate	0	10	10	5	25
141-43-5	205-483-3	2-aminoethanol	0	10	10	5	25
1330-20-7	215-535-7	xylene	0	10	10	5	25
107-98-2	203-539-1	1-methoxypropan-2-ol	0	10	10	5	25
108-38-3	203-576-3	m-xylene	0	10	10	5	25
115-10-6	204-065-8	dimethyl ether	0	10	10	5	25
144-62-7	205-634-3	oxalic acid	0	10	10	5	25
14177-55-0	238-034-5	molybdenum nickel tetraoxide	18	0	5	0	23
106-47-8	203-401-0	4-chloroaniline	18	0	5	0	23
1304-56-9	215-133-1	beryllium oxide	18	0	5	0	23
612-83-9	210-323-0	3,3'-dichlorobenzidine dihydrochloride	18	0	5	0	23

14177-51-6	238-032-4	nickel tungsten tetraoxide	18	0	5	0	23
77-78-1	201-058-1	dimethyl sulphate	18	0	5	0	23
7789-00-6	232-140-5	potassium chromate	18	0	5	0	23
95-80-7	202-453-1	4-methyl-m-phenylenediamine	18	0	5	0	23
	433-890-8		18	0	5	0	23
18721-51-2	242-533-3	nickel(2+) hydrogen citrate	18	0	5	0	23
373-02-4	206-761-7	nickel di(acetate)	18	0	5	0	23
4454-16-4	224-699-9	nickel bis(2-ethylhexanoate)	18	0	5	0	23
7778-50-9	231-906-6	potassium dichromate	18	0	5	0	23
7775-11-3	231-889-5	sodium chromate	18	0	5	0	23
7789-09-5	232-143-1	ammonium dichromate	18	0	5	0	23
	413-900-7		13	0	10	0	23
107-22-2	203-474-9	glyoxal	13	5	5	0	23
108-45-2	203-584-7	m-phenylenediamine	13	5	5	0	23
7803-49-8	232-259-2	hydroxylamine	13	5	5	0	23
110-16-7	203-742-5	maleic acid	8	0	15	0	23
-	412-060-9	bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane	8	0	15	0	23
-	413-370-7	1,4-bis[(vinylxy)methyl]cyclohexane	8	0	15	0	23
98-88-4	202-710-8	benzoyl chloride	8	0	15	0	23
-	403-500-0	A mixture of: bis[4-diphenylsulfoniumphenyl]sulfide-bis(hexafluoroantimonate); thiophenoxyphenylsulfonium hexafluoroantimonate	8	0	15	0	23
97-86-9	202-613-0	isobutyl methacrylate	8	5	10	0	23
101-72-4	202-969-7	N-isopropyl-N'-phenyl-p-phenylenediamine	8	5	10	0	23
140-31-8	205-411-0	2-piperazin-1-ylethylamine	8	5	10	0	23
149-30-4	205-736-8	benzothiazole-2-thiol	8	5	10	0	23
2867-47-2	220-688-8	2-dimethylaminoethyl methacrylate	8	5	10	0	23
111-30-8	203-856-5	glutaral	8	5	10	0	23
97-63-2	202-597-5	ethyl methacrylate	8	5	10	0	23
102-77-2	203-052-4	2-(morpholiniothio)benzothiazole	8	5	10	0	23
126-98-7	204-817-5	methacrylonitrile	8	5	10	0	23
136-23-2	205-232-8	zinc bis(dibutylthiocarbamate)	8	5	10	0	23
5392-40-5	226-394-6	citral	8	5	10	0	23
106-50-3	203-404-7	p-phenylenediamine	8	10	5	0	23
4719-04-4	225-208-0	2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	8	10	5	0	23
85-42-7	201-604-9	cyclohexane-1,2-dicarboxylic anhydride	8	10	5	0	23
4098-71-9	223-861-6	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	8	10	5	0	23
5124-30-1	225-863-2	4,4'-methylenebis(cyclohexyl diisocyanate)	8	10	5	0	23
96-45-7	202-506-9	imidazolidine-2-thione	10	5	5	0	20
7789-06-2	232-142-6	strontium chromate	10	5	5	0	20
683-18-1	211-670-0	dibutyltin dichloride	10	5	5	0	20
96-09-3	202-476-7	(epoxyethyl)benzene	10	5	5	0	20
101-14-4	202-918-9	4,4'-methylenebis[2-chloroaniline]	10	5	5	0	20
98-73-7	202-696-3	4-tert-butylbenzoic acid	10	5	5	0	20

110-80-5	203-804-1	2-ethoxyethanol	10	0	5	5	20
96-18-4	202-486-1	1,2,3-trichloropropane	10	5	5	0	20
11138-47-9	234-390-0	Perboric acid, sodium salt	5	5	10	0	20
57583-34-3	260-828-5	2-ethylhexyl 10-ethyl-4-[[2-ethylhexyl]oxy]-2-oxoethyl]thio]-4-methyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate	5	5	10	0	20
106-94-5	203-445-0	1-bromopropane	5	10	5	0	20
288-88-0	206-022-9	1,2,4-triazole	5	0	15	0	20
102-06-7	203-002-1	1,3-diphenylguanidine	5	5	10	0	20
110-05-4	203-733-6	di-tert-butyl peroxide	5	5	10	0	20
149-57-5	205-743-6	2-ethylhexanoic acid	5	5	10	0	20
13674-87-8	237-159-2	tris[2-chloro-1-(chloromethyl)ethyl] phosphate	5	5	10	0	20
126-73-8	204-800-2	tributyl phosphate	5	5	10	0	20
57583-35-4	260-829-0	2-ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate	5	5	10	0	20
1313-27-5	215-204-7	molybdenum trioxide	5	10	5	0	20
1314-62-1	215-239-8	divanadium pentaoxide	5	10	5	0	20
140-66-9	205-426-2	4-(1,1,3,3-tetramethylbutyl)phenol	0	10	10	0	20
84-66-2	201-550-6	diethyl phthalate	0	10	10	0	20
106-44-5	203-398-6	p-cresol	0	10	10	0	20
10325-94-7	233-710-6	cadmium nitrate	0	5	15	0	20
98072-36-7	308-487-4	Aromatic hydrocarbons, distn. residues, naphthalene-rich	0	10	10	0	20
21041-95-2	244-168-5	cadmium hydroxide	0	5	15	0	20
74-98-6	200-827-9	propane	0	10	10	0	20
75-28-5	200-857-2	isobutane	0	10	10	0	20
7758-98-7	231-847-6	copper sulphate	0	10	10	0	20
21041-93-0	244-166-4	cobalt dihydroxide	0	10	10	0	20
513-35-9	208-156-3	2-methylbut-2-ene	0	5	15	0	20
288-32-4	206-019-2	imidazole	0	5	15	0	20
28768-32-3	249-204-3	4,4'-methylenebis[N,N-bis(2,3-epoxypropyl)aniline]	0	5	15	0	20
	400-600-6	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	0	5	15	0	20
1314-13-2	215-222-5	zinc oxide	0	10	10	0	20
116-14-3	204-126-9	tetrafluoroethylene	0	10	10	0	20
1317-36-8	215-267-0	lead monoxide	0	10	10	0	20
12065-90-6	235-067-7	pentalead tetraoxide sulphate	0	10	10	0	20
12202-17-4	235-380-9	tetralead trioxide sulphate	0	10	10	0	20
1308-38-9	215-160-9	chromium (III) oxide	0	10	10	0	20
1314-41-6	215-235-6	orange lead	0	10	10	0	20
12008-41-2	234-541-0	disodium octaborate	0	10	10	0	20
12141-20-7	235-252-2	trilead dioxide phosphonate	0	10	10	0	20
149-44-0	205-739-4	sodium hydroxymethanesulphinate	0	5	15	0	20
1067-53-4	213-934-0	tris(2-methoxyethoxy)vinyl silane	0	5	15	0	20
1333-86-4	215-609-9	Carbon black	0	10	10	0	20
140-01-2	205-391-3	pentasodium (carboxylatomethyl)iminobis(ethylenenitrilo)tetraacetate	0	10	10	0	20
107-46-0	203-492-7	hexamethyldisiloxane	0	10	10	0	20
-	905-806-4	methylenediphenyl diisocyanate	0	10	10	0	20
65-85-0	200-618-2	benzoic acid	0	5	15	0	20

78-84-2	201-149-6	isobutyraldehyde	0	5	15	0	20
92-52-4	202-163-5	biphenyl	0	5	15	0	20
100-37-8	202-845-2	2-diethylaminoethanol	0	5	15	0	20
100-52-7	202-860-4	benzaldehyde	0	5	15	0	20
102-82-9	203-058-7	tributylamine	0	5	15	0	20
105-08-8	203-268-9	cyclohex-1,4-ylenedimethanol	0	5	15	0	20
107-31-3	203-481-7	methyl formate	0	5	15	0	20
108-01-0	203-542-8	2-dimethylaminoethanol	0	5	15	0	20
109-69-3	203-696-6	1-chlorobutane	0	5	15	0	20
120-92-3	204-435-9	cyclopentanone	0	5	15	0	20
136-52-7	205-250-6	cobalt bis(2-ethylhexanoate)	0	5	15	0	20
532-32-1	208-534-8	sodium benzoate	0	5	15	0	20
540-72-7	208-754-4	sodium thiocyanate	0	5	15	0	20
598-56-1	209-940-8	ethyldimethylamine	0	5	15	0	20
865-33-8	212-736-1	potassium methanolate	0	5	15	0	20
929-06-6	213-195-4	2-(2-aminoethoxy)ethanol	0	5	15	0	20
980-26-7	213-561-3	5,12-dihydro-2,9-dimethylquino[2,3-b]acridine-7,14-dione	0	5	15	0	20
1066-35-9	213-912-0	chlorodimethylsilane	0	5	15	0	20
1341-49-7	215-676-4	ammonium hydrogendifluoride	0	5	15	0	20
1344-43-0	215-695-8	manganese oxide	0	5	15	0	20
3302-10-1	221-975-0	3,5,5-trimethylhexanoic acid	0	5	15	0	20
5567-15-7	226-939-8	2,2'-((3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo))bis[N-(4-chloro-2,5-dimethoxyphenyl)-3-oxobutylamide]	0	5	15	0	20
7023-61-2	230-303-5	calcium 4-[(5-chloro-4-methyl-2-sulphonatophenyl)azo]-3-hydroxy-2-naphthoate	0	5	15	0	20
7173-62-8	230-528-9	(Z)-N-9-octadecenylpropane-1,3-diamine	0	5	15	0	20
7440-69-9	231-177-4	bismuth	0	5	15	0	20
7447-40-7	231-211-8	potassium chloride	0	5	15	0	20
7647-15-6	231-599-9	sodium bromide	0	5	15	0	20
7699-45-8	231-718-4	zinc bromide	0	5	15	0	20
12777-87-6	235-819-4	sulphuric acid, compound with graphite	0	5	15	0	20
17796-82-6	241-774-1	N-(cyclohexylthio)phthalimide	0	5	15	0	20
26896-20-8	248-093-9	neodecanoic acid	0	5	15	0	20
27546-07-2	248-517-2	diammonium dimolybdate	0	5	15	0	20
38051-10-4	253-760-2	2,2-bis(chloromethyl)trimethylene bis(bis(2-chloroethyl)phosphate)	0	5	15	0	20
66402-68-4	266-340-9	Ceramic materials and wares, chemicals	0	5	15	0	20
68479-98-1	270-877-4	diethylmethylbenzenediamine	0	5	15	0	20
98072-94-7	308-551-1	Ilmenite (FeTiO3), conc.	0	5	15	0	20
64-17-5	468-710-7	ethanol	0	5	15	0	20
1305-78-8	200-578-6	ethanol	0	10	10	0	20
7439-89-6	215-138-9	calcium oxide	0	10	10	0	20
7778-18-9	231-096-4	iron	0	10	10	0	20
75-29-6	231-900-3	calcium sulfate	0	10	10	0	20
76-05-1	200-858-8	2-chloropropane	0	5	15	0	20
78-11-5	200-929-3	trifluoroacetic acid	0	5	15	0	20
90-72-2	201-084-3	pentaerythrityl tetranitrate	0	5	15	0	20
90-80-2	202-013-9	2,4,6-tris(dimethylaminoethyl)phenol	0	5	15	0	20
96-22-0	202-016-5	D-glucono-1,5-lactone	0	5	15	0	20
	202-490-3	pentan-3-one	0	5	15	0	20

98-11-3	202-638-7	benzenesulphonic acid	0	5	15	0	20
98-67-9	202-691-6	4-hydroxybenzenesulphonic acid	0	5	15	0	20
104-75-6	203-233-8	2-ethylhexylamine	0	5	15	0	20
107-19-7	203-471-2	prop-2-yn-1-ol	0	5	15	0	20
109-53-5	203-678-8	isobutyl vinyl ether	0	5	15	0	20
109-59-1	203-685-6	2-isopropoxyethanol	0	5	15	0	20
109-92-2	203-718-4	ethyl vinyl ether	0	5	15	0	20
110-64-5	203-787-0	but-2-ene-1,4-diol	0	5	15	0	20
111-48-8	203-874-3	thiodiglycol	0	5	15	0	20
111-65-9	203-892-1	octane	0	5	15	0	20
115-19-5	204-070-5	2-methylbut-3-yn-2-ol	0	5	15	0	20
123-99-9	204-669-1	azelaic acid	0	5	15	0	20
124-22-1	204-690-6	dodecylamine	0	5	15	0	20
505-65-7	208-015-6	1,3-dioxepane	0	5	15	0	20
590-28-3	209-676-3	potassium cyanate	0	5	15	0	20
1047-16-1	213-879-2	5,12-dihydroquino[2,3-b]acridine-7,14-dione	0	5	15	0	20
1345-25-1	215-721-8	iron oxide	0	5	15	0	20
1761-71-3	217-168-8	4,4'-methylenebis(cyclohexylamine)	0	5	15	0	20
1762-95-4	217-175-6	ammonium thiocyanate	0	5	15	0	20
1962-75-0	217-803-9	dibutyl terephthalate	0	5	15	0	20
2551-62-4	219-854-2	sulphur hexafluoride	0	5	15	0	20
3039-83-6	221-242-5	sodium ethylenesulphonate	0	5	15	0	20
3290-92-4	221-950-4	propylidynetrimethyl trimethacrylate	0	5	15	0	20
3622-84-2	222-823-6	N-butylbenzenesulphonamide	0	5	15	0	20
4488-57-7	224-778-8	3a,4,5,6,7,7a-hexahydro-1H-indene	0	5	15	0	20
4531-49-1	224-867-1	2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2-methoxyphenyl)-3-oxobutyramide]	0	5	15	0	20
5421-46-5	226-540-9	ammonium mercaptoacetate	0	5	15	0	20
5468-75-7	226-789-3	2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2-methylphenyl)-3-oxobutyramide]	0	5	15	0	20
7440-23-5	231-132-9	sodium	0	5	15	0	20
7440-45-1	231-154-9	cerium	0	5	15	0	20
7473-98-5	231-272-0	2-hydroxy-2-methylpropiophenone	0	5	15	0	20
7719-09-7	231-748-8	thionyl dichloride	0	5	15	0	20
7779-88-6	231-943-8	zinc nitrate	0	5	15	0	20
7789-23-3	232-151-5	potassium fluoride	0	5	15	0	20
10101-50-5	233-251-1	sodium permanganate	0	5	15	0	20
10233-13-3	233-560-1	isopropyl laurate	0	5	15	0	20
10377-66-9	233-828-8	manganese dinitrate	0	5	15	0	20
12239-87-1	235-476-0	copper chlorophthalocyanine	0	5	15	0	20
16066-35-6	240-210-1	p-cumenesulphonic acid	0	5	15	0	20
16871-90-2	240-896-2	dipotassium hexafluorosilicate	0	5	15	0	20
17832-28-9	241-793-5	4-(vinylxy)butan-1-ol	0	5	15	0	20
21351-39-3	244-343-6	uronium hydrogen sulphate	0	5	15	0	20
25321-41-9	246-839-8	xylenesulphonic acid	0	5	15	0	20
25513-64-8	247-063-2	2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine	0	5	15	0	20
29797-40-8	249-854-8	dichloromethylbenzene	0	5	15	0	20

97925-95-6	308-208-6	Ethanol, 2,2'-iminobis-, N-(C13-15-branched and linear alkyl) derivs.	0	5	15	0	20
-	401-540-3	3,6-bis(4-chlorophenyl)-2,5-dihydropyrrolo[3,4-c]pyrrol-1,4-dione	0	5	15	0	20
-	404-310-0	tetrakis(phenylmethyl)thioperoxydi(carbathioamide)	0	5	15	0	20
-	404-360-3	2-benzyl-2-dimethylamino-4'-morpholinobutyroph enone	0	5	15	0	20
-	447-010-5	nonylbenzoate, branched and linear	0	5	15	0	20
68441-62-3	614-503-3		0	5	15	0	20
99607-70-2	619-447-3	heptan-2-yl [(5-chloroquinolin-8-yl)oxy]acetate	0	5	15	0	20
-	906-151-7	Reaction mass of m-cresol and p-cresol	0	5	15	0	20
-	906-256-8		0	5	15	0	20
-	907-745-9	Reaction mass of 2,6-di-tert-butylphenol and 2,4,6-tri-tert-butylphenol	0	5	15	0	20
-	909-709-8	Reaction mass of cerium dioxide and zirconium dioxide	0	5	15	0	20
-	910-704-8	Reaction mass of Limestone and dicalcium silicate	0	5	15	0	20
-	931-286-3	dialuminium iron tetraoxide, spinel type	0	5	15	0	20
-	931-319-1	Ferropur	0	5	15	0	20
57-13-6	200-315-5	urea	0	10	10	0	20
74-85-1	200-815-3	ethylene	0	10	10	0	20
115-07-1	204-062-1	propene	0	10	10	0	20
471-34-1	207-439-9	calcium carbonate	0	10	10	0	20
1309-37-1	215-168-2	diiron trioxide	0	10	10	0	20
1310-73-2	215-185-5	sodium hydroxide	0	10	10	0	20
1344-28-1	215-691-6	aluminium oxide	0	10	10	0	20
6484-52-2	229-347-8	ammonium nitrate	0	10	10	0	20
7429-90-5	231-072-3	aluminium	0	10	10	0	20
7439-95-4	231-104-6	magnesium	0	10	10	0	20
7439-96-5	231-105-1	manganese	0	10	10	0	20
7440-50-8	231-159-6	copper	0	10	10	0	20
7440-66-6	231-175-3	zinc	0	10	10	0	20
7631-86-9	231-545-4	silicon dioxide	0	10	10	0	20
7704-34-9	231-722-6	sulfur	0	10	10	0	20
7722-76-1	231-764-5	ammonium dihydrogenorthophosphate	0	10	10	0	20
7783-20-2	231-984-1	ammonium sulphate	0	10	10	0	20
7783-28-0	231-987-8	diammonium hydrogenorthophosphate	0	10	10	0	20
10043-01-3	233-135-0	aluminium sulphate	0	10	10	0	20
111-84-2	203-913-4	nonane	0	5	15	0	20
123-54-6	204-634-0	pentane-2,4-dione	0	5	15	0	20
1313-96-8	215-213-6	diniobium pentaoxide	0	5	15	0	20
7585-41-3	231-494-8	barium 4-[(5-chloro-4-methyl-2-sulphonatophenyl)azo]-3-hydroxy-2-naphthoate	0	5	15	0	20
14302-13-7	238-238-4	[1,3,8,16,18,24-hexabromo-2,4,9,10,11,15,17,22,23,25-decachloro-29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]copper	0	5	15	0	20
-	402-130-7	4,4'-METHYLEN-BIS-(3-CHLOR-2,6-DIETHYLANILIN) (more names disseminated)	0	5	15	0	20
-	402-600-1		0	5	15	0	20
-	436-710-6	3-Pentanone, 1,1,1,2,2,4,5,5-nonafluoro-4-(trifluoromethyl)-	0	5	15	0	20

-	439-590-3	Copper hydroxide nitrate	0	5	15	0	20
-	482-070-6	3-Aminoctan-4-ol	0	5	15	0	20
74-86-2	200-816-9	acetylene	0	10	10	0	20
77-92-9	201-069-1	citric acid	0	10	10	0	20
100-21-0	202-830-0	terephthalic acid	0	10	10	0	20
106-97-8	203-448-7	butane	0	10	10	0	20
106-98-9	203-449-2	but-1-ene	0	10	10	0	20
108-78-1	203-615-4	melamine	0	10	10	0	20
111-46-6	203-872-2	2,2'-oxydiethanol	0	10	10	0	20
124-04-9	204-673-3	adipic acid	0	10	10	0	20
141-78-6	205-500-4	ethyl acetate	0	10	10	0	20
144-55-8	205-633-8	sodium hydrogencarbonate	0	10	10	0	20
497-19-8	207-838-8	sodium carbonate	0	10	10	0	20
513-77-9	208-167-3	barium carbonate	0	10	10	0	20
637-92-3	211-309-7	2-ethoxy-2-methylpropane	0	10	10	0	20
1302-42-7	215-100-1	aluminium sodium dioxide	0	10	10	0	20
1309-42-8	215-170-3	magnesium hydroxide	0	10	10	0	20
1310-58-3	215-181-3	potassium hydroxide	0	10	10	0	20
1317-61-9	215-277-5	triiron tetraoxide	0	10	10	0	20
7439-98-7	231-107-2	molybdenum	0	10	10	0	20
7440-32-6	231-142-3	titanium	0	10	10	0	20
7440-47-3	231-157-5	chromium	0	10	10	0	20
7487-88-9	231-298-2	magnesium sulphate	0	10	10	0	20
7681-52-9	231-668-3	sodium hypochlorite	0	10	10	0	20
7705-08-0	231-729-4	iron trichloride	0	10	10	0	20
7720-78-7	231-753-5	iron sulphate	0	10	10	0	20
7722-84-1	231-765-0	hydrogen peroxide	0	10	10	0	20
7733-02-0	231-793-3	zinc sulphate	0	10	10	0	20
7757-79-1	231-818-8	potassium nitrate	0	10	10	0	20
7757-82-6	231-820-9	sodium sulphate	0	10	10	0	20
7757-93-9	231-826-1	calcium hydrogenorthophosphate	0	10	10	0	20
7758-94-3	231-843-4	iron dichloride	0	10	10	0	20
7778-77-0	231-913-4	potassium dihydrogenorthophosphate	0	10	10	0	20

Property
CMR Cat 1
CMR Cat 2
Sensitiser (Dermal/Inhalative)
Other serious occ diseases
Reach Tonnage Band > 1 mio T less than 10 m T
Reach Tonnage Band > 100 kT
Reach Tonnage Band > 1 kT
SPIN USEs : Very narrow range of appl. 1 star / Score 1
SPIN USEs : Narrow range of appl., 2 stars / score 2
SPIN USEs : intermediate range of appl., 3 stars / score 3
SPIN USEs : Wide range of appl. Four stars / Score 4
SPIN USEs : Very wide range of appl., Five stars / Score 5
REACH: Wide Dispersive Use
Wide Dispersive Use without consumer Use
REACH: PROC other than 1,2,3
SPIN OCC EXP. 5 Stars / Score 5
SPIN OCC EXP. 4 Stars / Score 4
SPIN OCC EXP. 3 Stars / Score 3
SPIN OCC EXP. 2 Stars / Score 2
SPIN OCC EXP. 1 Star / Score 1
Existing IOELV/BOELV
OEL more than 20 countries
more tahn 10
between 3 an 10

