



## 1. Product and company information

Product	Stainless Steel, Carbon Steel material		
Company name	: NIPPON KINZOKU CO.,LTD.		
Address	: G-BASE TAMACHI 10・11F, 5-29-11,Shiba, Minato-ku, Tokyo 108-0014,Japan (General reception, 11F)		
Company Information	Responsible Division	: MANUFACTURING & SALES MANAGEMENT DEPT. MANUFACTURING & SALES PLANNING SECTOR	
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	Emergency contact and Tel No.: Same as above		

## 2. Controlled substances in the product

The following is data concerning the contents of the controlled substances in the steel.

The information in this data sheet provides the controlled substances in the product. It is not the results of a detailed clarification of unclear substances performed to clarify all substances.

And in cases where the content of a substance is 0.1% or less, "None" is written in the "Content" column.

A constituent substance which underwent a chemical change or material change at the stage where the product was used by the party handling the product, and was not covered by the law at the stage this data sheet was prepared, may be covered by the law at the final product stage.

Packaging, labels, rust preventive oil, and other incidental items that do not form the steel are excluded.

Blue characters indicate substances added this time.

	Controlled substances				Remarks
	Substance name	CAS No.	Content	Unit	
1	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	None	wt%	
	(3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	1782069-81-1			
	(1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	95342-41-9			
	(1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	852541-25-4			
	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one	36861-47-9			
	(1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	741687-98-9			
	(1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	852541-30-1			
	(1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	852541-21-0			
2	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	None	wt%	
3	1,1'-(ethane-1,2-diyl)bis[pentabromobenzene] (DBDPE)	84852-53-9	None	wt%	
4	1,1'-(ethane-1,2-diyl)bis[oxy]bis[2,4,6-tribromobenzene]	37853-59-1	None	wt%	
5	1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	None	wt%	
6	1,2,3-trichloropropane	96-18-4	None	wt%	
7	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	-	None	wt%	
	1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	68648-93-1			
	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters	68515-51-5			
8	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	None	wt%	
9	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	None	wt%	
10	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	None	wt%	
11	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	84777-06-0	None	wt%	
12	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	None	wt%	
13	1,2-dichloroethane	107-06-2	None	wt%	
14	1,2-diethoxyethane	629-14-1	None	wt%	
15	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	None	wt%	
16	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	None	wt%	
17	1,3-propanesultone	1120-71-4	None	wt%	
18	1,4-dioxane	123-91-1	None	wt%	

Controlled substances					Remarks
	Substance name	CAS No.	Content	Unit	
19	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) <i>covering any of its individual anti- and syn-isomers or any combination thereof</i>	-			
	(1S,2S,5R,6R,9S,10S,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9,02,13,05,10]octadeca-7,15-diene	135821-03-3	None	wt%	
	1,6,7,8,9,14,15,16,17,17,18,18-dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene	13560-89-9			
	(1S,2S,5S,6S,9R,10R,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9,02,13,05,10]octadeca-7,15-diene	135821-74-8			
	rel-(1R,4S,4aS,6aR,7R,10S,10aS,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e]cyclooctene	-			
rel-(1R,4S,4aS,6aS,7S,10R,10aR,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e]cyclooctene	-				
20	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one <i>3-benzylidene camphor; 3-BC</i>	15087-24-8	None	wt%	
21	1-bromopropane (n-propyl bromide)	106-94-5	None	wt%	
22	1-Methyl-2-pyrrolidone (NMP)	872-50-4	None	wt%	
23	1-vinylimidazole	1072-63-5	None	wt%	
24	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	None	wt%	
25	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	None	wt%	
26	2,2-bis(4'-hydroxyphenyl)-4-methylpentane <i>AP-5</i>	6807-17-6	None	wt%	
27	2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	None	wt%	
	3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)	1522-92-5			
	2,2-bis(bromomethyl)propane-1,3-diol (BMP)	3296-90-0			
	2,3-dibromo-1-propanol (2,3-DBPA)	96-13-9			
28	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides <i>covering any of their individual isomers and combinations thereof</i>	-	None	wt%	
	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionyl fluoride	2062-98-8			
	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid	13252-13-6			
	ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	62037-80-3			
	Potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionate	67118-55-2			
Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (+)-	75579-39-4				
Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (-)-	75579-40-7				
29	2,4,6-tri-tert-butylphenol	732-26-3	None	wt%	
30	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	None	wt%	
31	2,4-dinitrotoluene	121-14-2	None	wt%	
32	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	None	wt%	
33	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	None	wt%	
34	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	None	wt%	
35	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	None	wt%	
	2-(4-tert-butylbenzyl)propionaldehyde	80-54-6			
	(2S)-3-(4-tert-butylphenyl)-2-methylpropanal	75166-30-2			
	(2R)-3-(4-tert-butylphenyl)-2-methylpropanal	75166-31-3			
36	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	None	wt%	
37	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	None	wt%	
38	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone <i>CG 25-369; IRGACURE 369; TK 11-319</i>	119313-12-1	None	wt%	
39	2-ethoxyethanol	110-80-5	None	wt%	
40	2-ethoxyethyl acetate	111-15-9	None	wt%	
41	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	None	wt%	
42	2-Methoxyaniline, o-Anisidine	90-04-0	None	wt%	
43	2-methoxyethanol	109-86-4	None	wt%	

	Controlled substances				Remarks
	Substance name	CAS No.	Content	Unit	
44	2-methoxyethyl acetate	110-49-6	None	wt%	
45	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one <i>ACETOCURE 97; GENOCURE*PMP; IGM 4817; IRGACURE 907; SPEEDCURE 97</i>	71868-10-5	None	wt%	
46	2-methylimidazole	693-98-1	None	wt%	
47	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine <i>ZOLDINE MS-PLUS</i>	143860-04-2	None	wt%	
48	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	None	wt%	
49	4,4'-(1-methylpropylidene)bisphenol	77-40-7	None	wt%	
50	4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol and its salts	-	None	wt%	
	4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol (Bisphenol AF)	1478-61-1	None	wt%	
	Reaction mass of 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol and benzyl(diethylamino)diphenylphosphonium 4-[1,1,1,3,3,3-hexafluoro-2-(4-hydroxyphenyl)propan-2-yl]phenolate (1:1)	-	None	wt%	
	Reaction mass of 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol and benzyltriphenylphosphonium, salt with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol (1:1)	-	None	wt%	
	disodium 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenolate	-	None	wt%	
	Benzyltriphenylphosphonium, salt with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (1:1)	75768-65-9	None	wt%	
	Phosphonium, tributyl(2-methoxypropyl)-, salt with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (1:1)	126049-00-1	None	wt%	
	Reaction products of benzene, chlorine and sulfur chloride (S2Cl2) with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol	921213-47-0	None	wt%	
	benzyl(diethylamino)diphenylphosphonium 4-[1,1,1,3,3,3-hexafluoro-2-(4-hydroxyphenyl)propan-2-yl]phenolate	577705-90-9	None	wt%	
	N,N-dibutyl-N-methylbutan-1-aminium 4-[1,1,1,3,3,3-hexafluoro-2-(4-hydroxyphenyl)propan-2-yl]phenolate	-	None	wt%	
51	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol <i>with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)</i>	561-41-1	None	wt%	
52	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	None	wt%	
53	4,4'-isopropylidenediphenol <i>Bisphenol A; BPA</i>	80-05-7	None	wt%	
54	4,4'-methylenedi-o-toluidine	838-88-0	None	wt%	
55	4,4'-oxydianiline and its salts	-	None	wt%	
	4,4'-oxydianiline	101-80-4			
56	4,4'-sulphonyldiphenol	80-09-1	None	wt%	
57	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	None	wt%	
58	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated <i>covering well-defined substances and UVCB substances, polymers and homologues</i>	-			
	Poly(oxy-1,2-ethanediyl), α-[(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxy-	9036-19-5			
	Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether	9002-93-1	None	wt%	
	20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-hexaoxaicosan-1-ol	2497-59-8			
	2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethanol	2315-67-5			
	2-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy]ethanol	2315-61-9			
59	4-aminoazobenzene	60-09-3	None	wt%	
60	4-heptylphenol, branched and linear <i>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</i>	-			
	Phenol, heptyl derivs.	72624-02-3	None	wt%	
	4-heptylphenol	1987-50-4			
	4-(3-ethylpentan-3-yl)phenol	37872-24-5			
	4-(2-methylhexan-2-yl)phenol	30784-31-7			
	4-(3,3-dimethylpentan-2-yl)phenol	911371-06-7			

		Controlled substances				Remarks
	Substance name	CAS No.	Content	Unit		
60	4-(3-methylhexan-2-yl)phenol	854904-93-1	None	wt%		
	4-(4,4-dimethylpentan-2-yl)phenol	911371-07-8				
	4-(4-methylhexan-2-yl)phenol	71945-81-8				
	4-(5-methylhexan-2-yl)phenol	857629-71-1				
	4-(2,2-dimethylpentan-3-yl)phenol	861010-65-3				
	4-(3-methylhexan-3-yl)phenol	30784-32-8				
	4-(heptan-3-yl)phenol	6465-74-3				
	4-(heptan-2-yl)phenol	6863-24-7				
	4-(heptan-4-yl)phenol	6465-71-0				
	4-(3-ethylpentyl)phenol	911370-98-4				
	4-(3-methylhexyl)phenol	102570-52-5				
	4-(4-methylhexyl)phenol	1139800-98-8				
	4-(5-methylhexyl)phenol	100532-36-3				
	4-(2,4-dimethylpentan-3-yl)phenol	1824346-00-0				
	Phenol, 4-tert-heptyl-	288864-02-8				
	Phenol, 4-(1-ethyl-1,2-dimethylpropyl)-	30784-27-1				
	4-(2,3-dimethylpentan-2-yl)phenol	861011-60-1				
4-(2,4-dimethylpentan-2-yl)phenol	33104-11-9					
4-(2,3,3-trimethylbutan-2-yl)phenol	72861-06-4					
4-(5-methylhexan-3-yl)phenol	854904-92-0					
61	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	None	wt%		
62	4-Nonylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	-	None	wt%		
	4-(1-ethyl-1-methylhexyl)phenol	52427-13-1				
	p-nonylphenol	104-40-5				
	p-(1,1-dimethylheptyl)phenol	30784-30-6				
	4-(1-Ethyl-1,4-dimethylpentyl)phenol	142731-63-3				
	4-(1-Ethyl-1,3-dimethylpentyl)phenol	186825-36-5				
	Phenol, 4-nonyl-, branched	84852-15-3				
	p-isononylphenol	26543-97-5				
	p-(1-methyloctyl)phenol	17404-66-9				
	4-(3-ethylheptan-2-yl)phenol	186825-39-8				
	4-(1,1,5-Trimethylhexyl)phenol	521947-27-3				
	Nonylphenol	25154-52-3				
	Phenol, nonyl-, branched	90481-04-2				
Isononylphenol	11066-49-2					
63	4-Nonylphenol, branched and linear, ethoxylated substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof	-	None	wt%		
	14-(nonylphenoxy)-3,6,9,12-tetraoxatetradecan-1-ol	26264-02-8				
	Poly(oxy-1,2-ethanediyl), α-(nonylphenyl)-ω-hydroxy-, branched	68412-54-4				
	Poly(oxy-1,2-ethanediyl), alpha -(nonylphenyl)-omega-hydroxy-, branched	-				
	Nonylphenol, ethoxylated (15-EO)	9016-45-9				
	Nonylphenol, ethoxylated (10-EO)	9016-45-9				
	Nonylphenol, ethoxylated (8-EO)	9016-45-9				
	Nonylphenol, ethoxylated (6,5-EO)	9016-45-9				
	2-[2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethoxy]ethanol	1119449-38-5				
	26-(4-Nonylphenoxy)-3,6,9,12,15,18,21,24- octaoxahexacosan -1-ol	14409-72-4				
	4-Nonylphenol, branched, ethoxylated 1 - 2.5 moles ethoxylated	127087-87-0				

		Controlled substances			Remarks
	Substance name	CAS No.	Content	Unit	
63	Nonylphenol, branched, ethoxylated 1 - 2.5 moles ethoxylated	68412-54-4	None	wt%	
	4-Nonylphenol, ethoxylated 1 - 2.5 moles ethoxylated	26027-38-3			
	Nonylphenol, ethoxylated	9016-45-9			
	2-[2-(4-nonylphenoxy)ethoxy]ethanol	20427-84-3			
	2-(nonylphenoxy)ethanol	27986-36-3			
	20-(4-nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol	27942-27-4			
	23-(nonylphenoxy)-3,6,9,12,15,18,21-heptaoxatricosan-1-ol	27177-05-5			
	2-[2-(nonylphenoxy)ethoxy]ethanol	27176-93-8			
	2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]ethanol	7311-27-5			
	Poly(oxy-1,2-ethanediyl), $\alpha$ -(nonylphenyl)- $\omega$ -hydroxy-	9016-45-9			
	26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahehexacosan-1-ol;	42173-90-0			
	4-Nonylphenol, branched, ethoxylated	127087-87-0			
	Isononylphenol, ethoxylated	37205-87-1			
	Nonylphenol, ethoxylated (EO = 10)	-			
	2-(isononylphenoxy)ethanol	85005-55-6			
	3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-, branched	91648-64-5			
	20-(isononylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol	65455-69-8			
	44-(nonylphenoxy)-3,6,9,12,15,18,21,24,27,30,33,36,39,42-tetradecaquatetracontanol	57321-10-5			
	Nonylphenol, ethoxylated (EO = 4)	-			
	Nonylphenol, ethoxylated (polymer)	-			
	2-(4-nonylphenoxy)ethanol	104-35-8			
	29-(nonylphenoxy)-3,6,9,12,15,18,21,24,27-nonaonanacosanol	27177-08-8			
	2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethanol	1119449-37-4			
	20-(nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol	27177-03-3			
	Nonylphenolpolyglycoether	-			
	26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahehexacosan-1-ol	26571-11-9			
	3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-	20636-48-0			
4-t-Nonylphenol-diethoxylate	156609-10-8				
17-(4-nonylphenoxy)-3,6,9,12,15-pentaoxaheptadecan-1-ol	34166-38-6				
3,6,9,12,15,18,21,24,27-Nonaonanacosan-1-ol, 29-(isononylphenoxy)-	65455-72-3				
3,6,9,12,15-Pentaoxaheptadecan-1-ol, 17-(nonylphenoxy)-	27177-01-1				
64	4-tert-butylphenol	98-54-4	None	wt%	
65	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] <i>covering any of the individual stereoisomers of [1] and [2] or any combination thereof</i>	-	None	wt%	
	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	-			
	1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	676367-06-9			
	Reaction mass of 5-[(2R)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1R,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane	-			
	1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)-	117933-89-8			
	Reaction mass of 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane and 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	-			
	1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	676367-05-8			
	1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-rel-	343934-04-3			
	1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	676367-09-2			
	1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-rel-	343934-05-4			
	1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	676367-04-7			
	1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	676367-08-1			
	1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	676367-03-6			
	1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	676367-07-0			

Controlled substances					Remarks
	Substance name	CAS No.	Content	Unit	
65	1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	676367-02-5	None	wt%	
	5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	-			
66	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	None	wt%	
67	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	None	wt%	
68	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8	None	wt%	
69	6-methoxy-m-toluidine (p-cresidine)	120-71-8	None	wt%	
70	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	548-62-9	None	wt%	
71	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	2580-56-5	None	wt%	
72	[Phthalato(2-)]dioxotrilead	69011-06-9	None	wt%	
73	Acetic acid, lead salt, basic	51404-69-4	None	wt%	
74	Acids generated from chromium trioxide and their oligomers	-	None	wt%	
	Dichromic acid	13530-68-2			
	Oligomers of chromic acid and dichromic acid	-			
	Chromic acid	7738-94-5			
75	Acrylamide	79-06-1	None	wt%	
76	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	None	wt%	
77	Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight	-	None	wt%	
	Refractories, fibers, aluminosilicate	142844-00-6			
78	Ammonium dichromate	7789-09-5	None	wt%	
79	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	None	wt%	
80	Anthracene	120-12-7	None	wt%	
81	Anthracene oil	90640-80-5	None	wt%	
82	Anthracene oil, anthracene paste	90640-81-6	None	wt%	
83	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	None	wt%	
84	Anthracene oil, anthracene paste, distn. lights	91995-17-4	None	wt%	
85	Anthracene oil, anthracene-low	90640-82-7	None	wt%	
86	Arsenic acid	7778-39-4	None	wt%	
87	Barium diboron tetraoxide	13701-59-2	None	wt%	
88	Benzo[a]anthracene	56-55-3	None	wt%	
89	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride trimellitic anhydride; TMA	552-30-7	None	wt%	
90	Benzo[def]chrysene(Benzo[a]pyrene)	50-32-8	None	wt%	
91	Benzo[ghi]perylene	191-24-2	None	wt%	
92	Benzo[k]fluoranthene	207-08-9	None	wt%	
93	Benzyl butyl phthalate (BBP)	85-68-7	None	wt%	
94	Biphenyl-4-ylamine	92-67-1	None	wt%	
95	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	None	wt%	
96	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	None	wt%	
97	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	None	wt%	
	Bis(2-ethylhexyl) tetrabromophthalate	26040-51-7			
98	Bis(2-methoxyethyl) ether	111-96-6	None	wt%	
99	Bis(2-methoxyethyl) phthalate	117-82-8	None	wt%	

Controlled substances					Remarks
	Substance name	CAS No.	Content	Unit	
100	Bis(4-chlorophenyl) sulphone	80-07-9	None	wt%	
101	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5	None	wt%	
102	Bis(tributyltin)oxide (TBTO)	56-35-9	None	wt%	
103	Bis( $\alpha,\alpha$ -dimethylbenzyl) peroxide	80-43-3	None	wt%	
104	Boric acid EC No. 233-139-2 and EC No. 234-343-4	-	None	wt%	
	Boric acid, crude natural	11113-50-1			
	Boric acid	10043-35-3			
105	Bumetizole (UV-326)	3896-11-5	None	wt%	
106	Butyl 4-hydroxybenzoate	94-26-8	None	wt%	
107	Cadmium	7440-43-9	None	wt%	
108	Cadmium carbonate	513-78-0	None	wt%	
109	Cadmium chloride	10108-64-2	None	wt%	
	cadmium chloride (CdCl <sub>2</sub> ), hydrate (2:5)	7790-78-5			
110	Cadmium fluoride	7790-79-6	None	wt%	
111	Cadmium hydroxide	21041-95-2	None	wt%	
112	Cadmium nitrate	10325-94-7	None	wt%	
113	Cadmium oxide	1306-19-0	None	wt%	
	Monteponite (CdO)	12139-21-8			
114	Cadmium sulphate	10124-36-4 31119-53-6	None	wt%	
	Sulfuric acid, cadmium salt, hydrate (3:3:8)	7790-84-3			
	Sulfuric acid, cadmium salt (1:1), hydrate	15244-35-6			
115	Cadmium sulphide	1306-23-6	None	wt%	
116	Calcium arsenate	7778-44-1	None	wt%	
117	Chromium trioxide	1333-82-0	None	wt%	
118	Chrysene	218-01-9	None	wt%	
119	Cobalt dichloride	7646-79-9	None	wt%	
120	Cobalt(II) carbonate	513-79-1	None	wt%	
121	Cobalt(II) diacetate	71-48-7	None	wt%	
122	Cobalt(II) dinitrate	10141-05-6	None	wt%	
123	Cobalt(II) sulphate	10124-43-3	None	wt%	
124	Cyclohexane-1,2-dicarboxylic anhydride <i>all possible combinations of the cis- and trans-isomers</i>	-	None	wt%	
	cis-cyclohexane-1,2-dicarboxylic anhydride	13149-00-3			
	Cyclohexane-1,2-dicarboxylic anhydride	85-42-7			
	trans-cyclohexane-1,2-dicarboxylic anhydride	14166-21-3			
125	Decamethylcyclopentasiloxane D5	541-02-6	None	wt%	
126	Decamethyltetrasiloxane	141-62-8	None	wt%	
127	Diarsenic pentaoxide	1303-28-2	None	wt%	
128	Diarsenic trioxide	1327-53-3	None	wt%	
129	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	123-77-3	None	wt%	
130	Diboron trioxide	1303-86-2	None	wt%	
131	Dibutyl phthalate (DBP)	84-74-2	None	wt%	
132	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	None	wt%	
133	Dibutyltin dichloride (DBTC)	683-18-1	None	wt%	
134	Dichromium tris(chromate)	24613-89-6	None	wt%	
135	Dicyclohexyl phthalate DCHP	84-61-7	None	wt%	
136	Diethyl sulphate	64-67-5	None	wt%	
137	Diethyl phthalate	84-75-3	None	wt%	
138	Diisobutyl phthalate	84-69-5	None	wt%	
139	Diisohexyl phthalate	71850-09-4	None	wt%	

Controlled substances					Remarks
	Substance name	CAS No.	Content	Unit	
140	Diisopentyl phthalate	605-50-5	None	wt%	
141	Dimethyl sulphate	77-78-1	None	wt%	
142	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	None	wt%	
143	Diocetyl dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	-	None	wt%	
	Diocetyl dilaurate	3648-18-8			
	Stannane, dioctyl-, bis(coco acyloxy) derivs.	91648-39-4			
	dioctyltin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs.	-			
144	Dioxobis(stearato)trilead	12578-12-0	None	wt%	
145	Dipentyl phthalate (DPP)	131-18-0	None	wt%	
146	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	None	wt%	
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	None	wt%	
148	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	None	wt%	
149	Disodium octaborate	12008-41-2	None	wt%	
150	Disodium tetraborate, anhydrous	12179-04-3	None	wt%	
		1303-96-4			
		1330-43-4			
151	Dodecamethylcyclohexasiloxane D6	540-97-6	None	wt%	
152	Ethylenediamine EDA	107-15-3	None	wt%	
153	Fatty acids, C16-18, lead salts	91031-62-8	None	wt%	
154	Fluoranthene	206-44-0	None	wt%	
155	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	None	wt%	
156	Formamide	75-12-7	None	wt%	
157	Furan	110-00-9	None	wt%	
158	Glutaral	111-30-8	None	wt%	
159	Henicosafuoroundecanoic acid	2058-94-8	None	wt%	
160	Heptacosafuorotetradecanoic acid	376-06-7	None	wt%	
161	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified	-	None	wt%	
	Hexabromocyclododecane	25637-99-4			
	1,2,5,6,9,10-hexabromocyclododecane	3194-55-6			
	alpha-hexabromocyclododecane	134237-50-6			
	beta-hexabromocyclododecane	134237-51-7			
	gamma-hexabromocyclododecane	134237-52-8			
162	Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	None	wt%	
	Hexahydro-1-methylphthalic anhydride	48122-14-1			
	Hexahydro-3-methylphthalic anhydride	57110-29-9			
	Hexahydromethylphthalic anhydride	25550-51-0			
	Hexahydro-4-methylphthalic anhydride	19438-60-9			
163	Hydrazine	302-01-2 7803-57-8	None	wt%	
164	Imidazolidine-2-thione(2-imidazoline-2-thiol)	96-45-7	None	wt%	
165	Isobutyl 4-hydroxybenzoate	4247-02-3	None	wt%	

Controlled substances					Remarks
	Substance name	CAS No.	Content	Unit	
166	Lead	7439-92-1	Fill the value of concentration that absorbed in steel	wt%	Please see the notice which described in Page 1.
167	Lead bis(tetrafluoroborate)	13814-96-5	None	wt%	
168	Lead chromate	7758-97-6	None	wt%	
169	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	None	wt%	
170	Lead cyanamidate	20837-86-9	None	wt%	
171	Lead di(acetate)	301-04-2	None	wt%	
172	Lead diazide, Lead azide	13424-46-9	None	wt%	
173	Lead dinitrate	10099-74-8	None	wt%	
174	Lead dipicrate	6477-64-1	None	wt%	
175	Lead hydrogen arsenate	7784-40-9	None	wt%	
176	Lead monoxide (lead oxide)	1317-36-8	None	wt%	
177	Lead oxide sulfate	12036-76-9	None	wt%	
178	Lead styphnate	15245-44-0	None	wt%	
179	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	None	wt%	
180	Lead titanium trioxide	12060-00-3	None	wt%	
181	Lead titanium zirconium oxide	12626-81-2	None	wt%	
182	Lead(II) bis(methanesulfonate)	17570-76-2	None	wt%	
182	Medium-chain chlorinated paraffins (MCCP) <i>UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17</i>	-	None	wt%	
183	Alkanes, C14-16, chloro	1372804-76-6	None	wt%	
	Alkanes, C14-17, chloro	85535-85-9			
	di-, tri- and tetrachlorotetradecane	-			
	Tetradecane, chloro derivs.	198840-65-2			
184	Melamine	108-78-1	None	wt%	
185	Methoxyacetic acid	625-45-6	None	wt%	
186	Methyloxirane (Propylene oxide)	75-56-9	None	wt%	
187	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	None	wt%	
188	N,N-dimethylacetamide	127-19-5	None	wt%	
189	N,N-dimethylformamide	68-12-2	None	wt%	
190	N-(hydroxymethyl)acrylamide	924-42-5	None	wt%	
191	n-hexane	110-54-3	None	wt%	
192	N-methylacetamide	79-16-3	None	wt%	
193	n-pentyl-isopentyl phthalate	776297-69-9	None	wt%	
194	Nitrobenzene	98-95-3	None	wt%	
195	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	None	wt%	
	sodium nonadecafluorodecanoate	3830-45-3			
	Ammonium nonadecafluorodecanoate	3108-42-7			
	Nonadecafluorodecanoic acid	335-76-2			
196	O,O,O-triphenyl phosphorothioate	597-82-0	None	wt%	
197	o-aminoazotoluene	97-56-3	None	wt%	
198	o-toluidine	95-53-4	None	wt%	
199	Octamethylcyclotetrasiloxane <i>D4</i>	556-67-2	None	wt%	
200	Octamethyltrisiloxane	107-51-7	None	wt%	
201	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	None	wt%	
	Phenol, methylstyrenated	68512-30-1			

Controlled substances					Remarks
	Substance name	CAS No.	Content	Unit	
202	Orange lead (lead tetroxide)	1314-41-6	None	wt%	
203	orthoboric acid, sodium salt	-	None	wt%	
	Orthoboric acid, sodium salt	13840-56-7			
	Trisodium orthoborate	14312-40-4			
	boric acid (H3BO3), sodium salt, hydrate	25747-83-5			
	boric acid (H3BO3), sodium salt (1:1)	14890-53-0			
	Boric acid (H3BO3), disodium salt	22454-04-2			
	Boric acid, sodium salt	1333-73-9			
204	p-(1,1-dimethylpropyl)phenol	80-46-6	None	wt%	
205	Pentacosafluorotridecanoic acid	72629-94-8	None	wt%	
206	Pentadecafluorooctanoic acid (PFOA)	335-67-1	None	wt%	
207	Pentalead tetraoxide sulphate	12065-90-6	None	wt%	
208	Pentazinc chromate octahydroxide	49663-84-5	None	wt%	
209	Perfluamine	338-83-0	None	wt%	
210	Perfluorobutane sulfonic acid (PFBS) and its salts	-	None	wt%	
	Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate	68259-10-9			
	magnesium perfluorobutanesulfonate	507453-86-3			
	lithium perfluorobutanesulfonate	131651-65-5			
	morpholinium perfluorobutanesulfonate	503155-89-3			
	bis(4-t-butylphenyl)iodonium perfluorobutanesulfonate	194999-85-4			
	1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid	375-73-5			
	dimethyl(phenyl)sulfanium perfluorobutanesulfonate	220133-51-7			
	1-(4-butoxy-1-naphthalenyl)tetrahydrothiophenium 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate	-			
	Triphenylsulfanium perfluorobutane sulfonate	144317-44-2			
	N,N,N-triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate	25628-08-4			
	Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate	29420-49-3			
	tetrabutyl-phosphonium nonafluoro-butane-1-sulfonate	220689-12-3			
211	Perfluoroheptanoic acid and its salts	-	None	wt%	
	Ammonium perfluoroheptanoate	6130-43-4			
	potassium perfluoroheptanoate	21049-36-5			
	Sodium perfluoroheptanoate	20109-59-5			
	Perfluoroheptanoic acid	375-85-9			
212	Perfluorohexane-1-sulphonic acid and its salts <i>PFHxS</i>	-	None	wt%	
	Ammonium perfluorohexane-1-sulphonate	68259-08-5			
	tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)	70225-16-0			
	potassium perfluorohexane-1-sulphonate	3871-99-6			
	perfluorohexane-1-sulphonic acid	355-46-4			
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1)	350836-93-0			
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1)	41184-65-0			
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1)	41242-12-0			
	Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with 1,1,2,2,3,3,4,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:2)	421555-73-9			
	Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic	421555-74-0			
	Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	425670-70-8			
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1)	55120-77-9			
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,4,5,5,6,6,6-tridecafluoro-, zinc salt	70136-72-0			
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1)	72033-41-1			
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,4,5,5,6,6,6-tridecafluoro-, sodium salt	82382-12-5			

		Controlled substances		Content	Unit	Remarks
		Substance name	CAS No.	None	wt%	
212	Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI)	866621-50-3	None	wt%		
	Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1000597-52-3				
	N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate	108427-54-9				
	N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate	108427-55-0				
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. With pyrrolidine (1:1)	1187817-57-7				
	Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1310480-24-0				
	Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1310480-27-3				
	Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1310480-28-4				
	Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)	1329995-45-0				
	Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)	1329995-69-8				
	Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	910606-39-2				
	Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	911027-68-4				
	Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.1 <sup>3,7</sup> ]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.1 <sup>3,7</sup> ]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate	911027-69-5				
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1)	92011-17-1				
	Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	928049-42-7				
	Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	144116-10-9				
	Quinolinium, 1-(carboxymethyl)-4-[2-[4-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1462414-59-0				
	Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	153443-35-7				
	Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	341548-85-4				
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9CI)	341035-71-0				
Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	213740-81-9					
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd.with 2-methyl-2-propanamine (1:1)	202189-84-2					
Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)	189274-31-5					
213	Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	None	wt%		
	Ammonium heptadecafluorononanoate	4149-60-4				
	Perfluorononan-1-oic-acid	375-95-1				
	sodium heptadecafluorononanoate	21049-39-8				
214	Phenanthrene	85-01-8	None	wt%		
215	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	None	wt%		
	Phenol, (tetrapropenyl) derivatives	74499-35-7				
	Phenol, 4-isododecyl-	27147-75-7				

	Controlled substances		Content	Unit	Remarks
	Substance name	CAS No.	None	wt%	
215	Phenol, dodecyl-, branched	121158-58-5	None	wt%	
	Phenol, tetrapropylene-	57427-55-1			
	Phenol, 4-dodecyl, branched	210555-94-5			
	4-isododecylphenol	27459-10-5			
216	Phenolphthalein	77-09-8	None	wt%	
217	Pitch, coal tar, high temp.	65996-93-2	None	wt%	
218	Potassium chromate	7789-00-6	None	wt%	
219	Potassium dichromate	7778-50-9	None	wt%	
220	Potassium hydroxyoctaoxidizincatedichromate	11103-86-9	None	wt%	
221	Pyrene	129-00-0	None	wt%	
222	Pyrochlore, antimony lead yellow	8012-00-8	None	wt%	
213	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	None	wt%	
224	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)	-	None	wt%	
225	reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	None	wt%	
226	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) <i>with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)</i>	-	None	wt%	
	Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.	1471311-26-8			
	Formaldehyde, reaction products with branched and linear heptylphenol, carbon disulfide and hydrazine	93925-00-9			
227	S-(tricyclo(5.2.1.0 <sup>2</sup> .6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate <i>X4261</i>	255881-94-8	None	wt%	
228	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped <i>with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD), the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008</i>	68784-75-8	None	wt%	
229	Silicic acid, lead salt	11120-22-2	None	wt%	
230	Sodium chromate	7775-11-3	None	wt%	
231	Sodium dichromate	10588-01-9 7789-12-0	None	wt%	
232	Sodium perborate, perboric acid, sodium salt	-	None	wt%	
	Perboric acid (HBO(O <sub>2</sub> )), sodium salt, tetrahydrate	10486-00-7			
	Sodium perborate monohydrate	10332-33-9			
	Perboric acid, sodium salt, tetrahydrate ( )	37244-98-7			
	Perboric acid (H <sub>3</sub> BO <sub>2</sub> (O <sub>2</sub> )), monosodium salt, trihydrate	13517-20-9			
	Sodium perborate	15120-21-5			
	Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium (1:2)	90568-23-3			
	Perboric acid, sodium salt	11138-47-9			
233	Sodium peroxometaborate	7632-04-4	None	wt%	
234	Strontium chromate	7789-06-2	None	wt%	
235	Sulfurous acid, lead salt, dibasic	62229-08-7	None	wt%	
236	Terphenyl, hydrogenated	61788-32-7	None	wt%	
237	tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-[[4-chloro-6-({2-[(4-fluoro-6-[[4-(vinylsulfonyl)phenyl]amino)-1,3,5-triazine-2-yl]amino]propyl)amino]-1,3,5-triazine-2-yl]amino)-5-sulfonato-1-naphthyl]diazanyl]-5-methoxyphenyl]diazanyl]-1,3,6-naphthalenetrisulfonate (Reactive Brown 51) <i>substance having a complex composition with &lt;80% of the above constituents and other reaction side products</i>	-	None	wt%	
238	Tetraboron disodium heptaoxide, hydrate	12267-73-1	None	wt%	
239	Tetraethyllead	78-00-2	None	wt%	
240	Tetralead trioxide sulphate	12202-17-4	None	wt%	

Controlled substances			Content	Unit	Remarks
	Substance name	CAS No.	None	wt%	
241	Trichloroethylene	79-01-6	None	wt%	
242	Tricosafuorododecanoic acid	307-55-1	None	wt%	
243	Triethyl arsenate	15606-95-8	None	wt%	
244	Trilead bis(carbonate)dihydroxide	1319-46-6	None	wt%	
245	Trilead diarsenate	3687-31-8	None	wt%	
246	Trilead dioxide phosphonate	12141-20-7	None	wt%	
247	Triphenyl phosphate	115-86-6	None	wt%	
248	Tris(2-chloroethyl)phosphate	115-96-8	None	wt%	
249	tris(2-methoxyethoxy)vinylsilane	1067-53-4	None	wt%	
250	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	-	None	wt%	
	tris(4-nonylphenyl, branched) phosphite	-			
	Phenol, p-sec-nonyl-, phosphite	106599-06-8			
	Phenol, 4-nonyl-, phosphite (3:1)	3050-88-2			
	tris(nonylphenyl) phosphite	26523-78-4			
	Phenol, p-isononyl-, phosphite (3:1)	31631-13-7			
251	Trixylyl phosphate	25155-23-1	None	wt%	
252	Zirconia Aluminosilicate Refractory Ceramic Fibres <i>are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight</i>	-	None	wt%	
	Refractories, fibers, aluminosilicate	142844-00-6			
253	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	6786-83-0	None	wt%	

### 3. Sources of the controlled substances

The names of substances under SVHC of REACH are entered.

Candidate List of substances of very high concern for Authorisation - ECHA ([europa.eu](http://europa.eu))

( <https://echa.europa.eu/candidate-list-table> )

### 4. Other information

Under REACH, Steel can be considered to be a "article".

Direct inquiries concerning the contents entered above to:

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