

June 17, 2022



INTERNATIONAL WIRE
BARE WIRE DIVISION

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Dear Valued Customer:

In response to your request regarding EU REACH 1907/2006, we will try to answer your concerns to the best of our knowledge with regards to the copper products supplied:

Parts: All Bare Copper and Tin Coated Copper, CDA110, CDA101, CDA1104, CDA 102 and Alloy C18661 (EF80) Products – Non insulated.

Candidate List - 224 - downloaded from REACH site <https://echa.europa.eu/candidate-list-table>

ANNEX XVII Candidate List
Note: Group entries are split in
different rows.

Substance name	Description	EC No.	CAS No.	Date of inclusion	Contained in material or products supplied above 0.1%, (1000ppm)
N-(hydroxymethyl)acrylamide		213-103-2	924-42-S	10/6/2022	No
tris(2-methoxyethoxy)vinylsilane		213-934-0	1067-53-4	17/01/2022	No
S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate		401-850-9	255881-94-8	17/01/2022	No
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol		204-327-1	119-47-1	17/01/2022	No
(±)-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)		-	-	17/01/2022	No

Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)		-	-	8/7/2021	No
Orthoboric acid, sodium salt (group)		-	-	8/7/2021	No
Medium-chain chlorinated paraffins (MCCP)		-	-	8/7/2021	No
Glutaral		203-856-5	111-30-8	8/7/2021	No
4,4'-(1-methylpropylidene) bisphenol; bisphenol B		201-025-1	77-40-7	8/7/2021	No
2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers		-	-	8/7/2021	No
1,3-bis(bromomethyl)propane (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)		-	-	8/7/2021	No
1,4-dioxane		204-661-8	123-91-1	8/7/2021	No
Bis(2-(2-methoxyethoxy)ethyl) ether - TetraEGDME		-	143-24-8	19/01/2021	No
Dioctyltin 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		-	3648-18-8 and others	19/01/2021	No
Dibutylbis(pentane-2,4-dionato-O,O')tin		245-152-0	22673-19-4	25/06/2020	No
Butyl 4-hydroxybenzoate		202-318-7	94-26-8	25/06/2020	No
2-methylimidazole		211-765-7	693-98-1	25/06/2020	No
1-vinylimidazole		214-012-0	1072-63-5	25/06/2020	No
Perfluorobutane sulfonic acid (PFBS) and its salts		-	-	16/01/2020	No
Diisohexyl phthalate		276-090-2	71850-09-4	16/01/2020	No
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one		400-600-6	71868-10-5	16/01/2020	No
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone		404-360-3	119313-12-1	16/01/2020	No
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)		-	-	16/07/2019	No
Tris(nonylphenyl) phosphite		247-759-6	26523-78-4	16/07/2019	No
tris(4-nonylphenyl, branched) phosphite		701-028-2	-	16/07/2019	No
Phenol, 4-nonyl-, phosphite (3:1)		608-492-4	3050-88-2	16/07/2019	No
4-tert-butylphenol		202-679-0	98-54-4	16/07/2019	No
2-methoxyethyl acetate		203-772-9	110-49-6	16/07/2019	No
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	covering any of their individual isomers and combinations thereof	-	-	16/07/2019	No

2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid		236-236-8	13252-13-6	16/07/2019	No
Ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate		700-242-3	62037-80-3	16/07/2019	No
Potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionate		266-578-3	67118-55-2	16/07/2019	No
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionyl fluoride		218-173-8	2062-98-8	16/07/2019	No
Pyrene		204-927-3	129-00-0	15/01/2019	No
Phenanthrene		201-581-5	85-01-8	15/01/2019	No
Fluoranthene		205-912-4	206-44-0	15/01/2019	No
Benzo[k]fluoranthene		205-916-6	207-08-9	15/01/2019	No
2,2-bis(4'-hydroxyphenyl)-4-methylpentane		401-720-1	6807-17-6	15/01/2019	No
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	15/01/2019	No
Terphenyl, hydrogenated		262-967-7	61788-32-7	27/06/2018	No
Octamethylcyclotetrasiloxane	D4	209-136-7	556-67-2	27/06/2018	No
Lead		231-100-4	7439-92-1	27/06/2018	No
Ethylenediamine	EDA	203-468-6	107-15-3	27/06/2018	No
Dodecamethylcyclohexasiloxane	D6	208-762-8	540-97-6	27/06/2018	No
Disodium octaborate		234-541-0	12008-41-2	27/06/2018	No
Dicyclohexyl phthalate	DCHP	201-545-9	84-61-7	27/06/2018	No
Decamethylcyclopentasiloxane	D5	208-764-9	541-02-6	27/06/2018	No
Benzo[ghi]perylene		205-883-8	191-24-2	27/06/2018	No
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	trimellitic anhydride; TMA	209-008-0	552-30-7	27/06/2018	No
Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)	-	-	15/01/2018	No
Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.		939-460-0	-	15/01/2018	No
Formaldehyde, reaction products with branched and linear heptylphenol, carbon disulfide and hydrazine		300-298-5	93925-00-9	15/01/2018	No
Chrysene		205-923-4	218-01-9	15/01/2018	No
Cadmium nitrate		233-710-6	10325-94-7	15/01/2018	No
Cadmium hydroxide		244-168-5	21041-95-2	15/01/2018	No
Cadmium carbonate		208-168-9	513-78-0	15/01/2018	No
Benzo[a]anthracene		200-280-6	56-55-3	15/01/2018	No
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"™)	covering any of its individual anti- and syn-isomers or any combination thereof	-	-	15/01/2018	No
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		236-948-9	13560-89-9	15/01/2018	No

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		-	-	15/01/2018	No
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		-	-	15/01/2018	No
Perfluorohexane-1-sulphonic acid and its salts	PFHxS	-	-	07/07/2017	No
Potassium perfluorohexane-1-sulphonate		223-393-2	3871-99-6	07/07/2017	No
Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)		274-462-9	70225-16-0	07/07/2017	No
Perfluorohexane-1-sulphonic acid		206-587-1	355-46-4	07/07/2017	No
Ammonium perfluorohexane-1-sulphonate		269-511-6	68259-08-5	07/07/2017	No
p-(1,1-dimethylpropyl)phenol		201-280-9	80-46-6	12/01/2017	No
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts		-	-	12/01/2017	No
Ammonium nonadecafluorodecanoate		221-470-5	3108-42-7	12/01/2017	No
Nonadecafluorodecanoic acid		206-400-3	335-76-2	12/01/2017	No
Decanoic acid, nonadecafluoro-, sodium salt		-	3830-45-3	12/01/2017	No
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	-	-	12/01/2017	No
Phenol, heptyl derivs.		276-743-1	72624-02-3	12/01/2017	No
4-heptylphenol		217-862-0	1987-50-4	12/01/2017	No
4,4'-isopropylidenediphenol	Bisphenol A; BPA	201-245-8	80-05-7	12/01/2017	No
Benzo[def]chrysene (Benzo[a]pyrene)		200-028-5	50-32-8	20/06/2016	No
Perfluorononan-1-oic-acid and its sodium and ammonium salts		-	-	17/12/2015	No
Ammonium salts of perfluorononan-1-oic-acid		-	-, 4149-60-4	17/12/2015	No
Perfluorononan-1-oic-acid		206-801-3	375-95-1	17/12/2015	No
Sodium salts of perfluorononan-1-oic-acid		-	-, 21049-39-8	17/12/2015	No
Nitrobenzene		202-716-0	98-95-3	17/12/2015	No
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)		253-037-1	36437-37-3	17/12/2015	No

2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)		223-383-8	3864-99-1	17/12/2015	No
1,3-propanesultone		214-317-9	1120-71-4	17/12/2015	No
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	-	-	15/06/2015	No
1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexene-1-yl)-5-methyl-5-(1-methylpropyl)-		413-720-9	117933-89-8	15/06/2015	No
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,2S)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1S,2S)-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,2S)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane		700-927-7	-	15/06/2015	No
2-(2,4-Dimethylcyclohex-3-ene-1-yl)-5-methyl-(1-methylpropyl)-1,3-dioxane		601-499-3	117933-89-8	15/06/2015	No
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane		-	-	15/06/2015	No
5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane		-	-	15/06/2015	No
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	-	-	15/06/2015	No
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters		272-013-1	68648-93-1	15/06/2015	No
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters		271-094-0	68515-51-5	15/06/2015	No
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)		-	-	17/12/2014	No
Cadmium sulphate		233-331-6	4-36-4, 31119	17/12/2014	No
Cadmium fluoride		232-222-0	7790-79-6	17/12/2014	No

2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)		239-622-4	15571-58-1	17/12/2014	No
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)		223-346-6	3846-71-7	17/12/2014	No
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)		247-384-8	25973-55-1	17/12/2014	No
Sodium peroxometaborate		231-556-4	7632-04-4	16/06/2014	No
Sodium perborate, perboric acid, sodium salt		-	-	16/06/2014	No
Sodium perborate		239-172-9	15120-21-5	16/06/2014	No
Perboric acid, sodium salt		234-390-0	11138-47-9	16/06/2014	No
Cadmium chloride		233-296-7	10108-64-2	16/06/2014	No
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear		271-093-5	68515-50-4	16/06/2014	No
Trixylyl phosphate		246-677-8	25155-23-1	16/12/2013	No
Lead di(acetate)		206-104-4	301-04-2	16/12/2013	No
Imidazolidine-2-thione (2-imidazoline-2-thiol)		202-506-9	96-45-7	16/12/2013	No
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)		217-710-3	1937-37-7	16/12/2013	No
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)		209-358-4	573-58-0	16/12/2013	No
Dihexyl phthalate		201-559-5	84-75-3	16/12/2013	No
Cadmium sulphide		215-147-8	1306-23-6	16/12/2013	No
Pentadecafluorooctanoic acid (PFOA)		206-397-9	335-67-1	20/06/2013	No
Dipentyl phthalate (DPP)		205-017-9	131-18-0	20/06/2013	No
Cadmium oxide		215-146-2	1306-19-0	20/06/2013	No
Cadmium		231-152-8	7440-43-9	20/06/2013	No
Ammonium pentadecafluorooctanoate (APFO)		223-320-4	3825-26-1	20/06/2013	No
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	-	-	20/06/2013	No
2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]ethanol		230-770-5	7311-27-5	20/06/2013	No
26-(4-nonylphenoxy)-3,6,9,12,15,18,21,24-Octaoxahehexacosan-1-ol		604-395-6	14409-72-4	20/06/2013	No
2-[2-(4-nonylphenoxy)ethoxy]ethanol		243-816-4	20427-84-3	20/06/2013	No
Nonylphenol, branched, ethoxylated	1 - 2.5 moles ethoxylated	500-209-1	68412-54-4	20/06/2013	No
4-Nonylphenol, ethoxylated	1 - 2.5 moles ethoxylated	500-045-0	26027-38-3	20/06/2013	No

Nonylphenol, ethoxylated (8-EO) (9016-45-9)		931-754-7	-	20/06/2013	No
Nonylphenol, branched, ethoxylated (CAS# 68412-54-4)		932-688-1	-	20/06/2013	No
Nonylphenol, ethoxylated (15-EO) (9016-45-9)		931-756-8	-	20/06/2013	No
Nonylphenol, ethoxylated (10-EO) (9016-45-9)		931-755-2	-	20/06/2013	No
20-(4-nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol		248-743-1	27942-27-4	20/06/2013	No
Nonylphenol, ethoxylated (6,5-EO) (9016-45-9)		931-753-1	-	20/06/2013	No
Nonylphenol, ethoxylated		500-024-6	9016-45-9	20/06/2013	No
Nonylphenol, ethoxylated (EO = 10)		939-993-9	-	20/06/2013	No
Nonylphenol, ethoxylated (EO = 4)		939-975-0	-	20/06/2013	No
Nonylphenol, ethoxylated (polymer)		938-618-6	-	20/06/2013	No
2-{2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethoxy}ethanol		687-833-9	1119449-38-5	20/06/2013	No
2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethanol		687-832-3	1119449-37-4	20/06/2013	No
Nonylphenolpolyglycoether		932-998-7	-	20/06/2013	No
Poly(oxy-1,2-ethanediyl), a-(nonylphenyl)-w-hydroxy- (CAS 9016-45-9)		931-562-3	9016-45-9	20/06/2013	No
Isononylphenol, ethoxylated		609-346-2	37205-87-1	20/06/2013	No
4-Nonylphenol, branched, ethoxylated	1 - 2.5 moles ethoxylated	500-315-8	127087-87-0	20/06/2013	No
26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahehexacosan-1-ol		247-816-5	26571-11-9	20/06/2013	No
Trilead dioxide phosphonate		235-252-2	12141-20-7	19/12/2012	No
Trilead bis(carbonate) dihydroxide		215-290-6	1319-46-6	19/12/2012	No
Tricosafuorododecanoic acid		206-203-2	307-55-1	19/12/2012	No
Tetralead trioxide sulphate		235-380-9	12202-17-4	19/12/2012	No
Tetraethyllead		201-075-4	78-00-2	19/12/2012	No
Sulfurous acid, lead salt, dibasic		263-467-1	62229-08-7	19/12/2012	No
Silicic acid, lead salt		234-363-3	11120-22-2	19/12/2012	No
Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped	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	272-271-5	68784-75-8	19/12/2012	No
Pyrochlore, antimony lead yellow	-	232-382-1	8012-00-8	19/12/2012	No
Pentalead tetraoxide sulphate		235-067-7	12065-90-6	19/12/2012	No
Pentacosafuorotridecanoic acid		276-745-2	72629-94-8	19/12/2012	No
Orange lead (lead tetroxide)		215-235-6	1314-41-6	19/12/2012	No
o-toluidine		202-429-0	95-53-4	19/12/2012	No
o-aminoazotoluene		202-591-2	97-56-3	19/12/2012	No
n-pentyl-isopentylphthalate		933-378-9	776297-69-9	19/12/2012	No
N-methylacetamide		201-182-6	79-16-3	19/12/2012	No
N,N-dimethylformamide		200-679-5	68-12-2	19/12/2012	No
Methyloxirane (Propylene oxide)		200-879-2	75-56-9	19/12/2012	No

Methoxyacetic acid		210-894-6	625-45-6	19/12/2012	No
Lead titanium zirconium oxide		235-727-4	12626-81-2	19/12/2012	No
Lead titanium trioxide		235-038-9	12060-00-3	19/12/2012	No
Lead oxide sulfate		234-853-7	12036-76-9	19/12/2012	No
Lead monoxide (lead oxide)		215-267-0	1317-36-8	19/12/2012	No
Lead dinitrate		233-245-9	10099-74-8	19/12/2012	No
Lead cyanamidate		244-073-9	20837-86-9	19/12/2012	No
Lead bis(tetrafluoroborate)		237-486-0	13814-96-5	19/12/2012	No
Hexahydromethylphthalic anhydride	including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-	19/12/2012	No
Hexahydro-1-methylphthalic anhydride		256-356-4	48122-14-1	19/12/2012	No
Hexahydromethylphthalic anhydride		247-094-1	25550-51-0	19/12/2012	No
Hexahydro-4-methylphthalic anhydride		243-072-0	19438-60-9	19/12/2012	No
Hexahydro-3-methylphthalic anhydride		260-566-1	57110-29-9	19/12/2012	No
Heptacosafuorotetradecanoic acid		206-803-4	376-06-7	19/12/2012	No
Henicosafuoroundecanoic acid		218-165-4	2058-94-8	19/12/2012	No
Furan		203-727-3	110-00-9	19/12/2012	No
Fatty acids, C16-18, lead salts		292-966-7	91031-62-8	19/12/2012	No
Dioxobis(stearato)trilead		235-702-8	12578-12-0	19/12/2012	No
Dinoseb (6-sec-butyl-2,4-dinitrophenol)		201-861-7	88-85-7	19/12/2012	No
Dimethyl sulphate		201-058-1	77-78-1	19/12/2012	No
Diisopentyl phthalate		210-088-4	605-50-5	19/12/2012	No
Diethyl sulphate		200-589-6	64-67-5	19/12/2012	No
Dibutyltin dichloride (DBTC)		211-670-0	683-18-1	19/12/2012	No
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)		204-650-8	123-77-3	19/12/2012	No
Cyclohexane-1,2-dicarboxylic anhydride	all possible combinations of the cis- and trans-isomers	-	-	19/12/2012	No
cis-cyclohexane-1,2-dicarboxylic anhydride		236-086-3	13149-00-3	19/12/2012	No
Cyclohexane-1,2-dicarboxylic anhydride		201-604-9	85-42-7	19/12/2012	No
trans-cyclohexane-1,2-dicarboxylic anhydride		238-009-9	14166-21-3	19/12/2012	No
Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)		214-604-9	1163-19-5	19/12/2012	No
Biphenyl-4-ylamine		202-177-1	92-67-1	19/12/2012	No
Acetic acid, lead salt, basic		257-175-3	51404-69-4	19/12/2012	No
[Phthalato(2-)]dioxotrilead		273-688-5	69011-06-9	19/12/2012	No
6-methoxy-m-toluidine (p-cresidine)		204-419-1	120-71-8	19/12/2012	No
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	-	-	19/12/2012	No
p-nonylphenol		203-199-4	104-40-5	19/12/2012	No
p-isononylphenol		247-770-6	26543-97-5	19/12/2012	No

4-(1-Ethyl-1,4-Dimethylpentyl)Phenol		635-391-2	142731-63-3	19/12/2012	No
4-(1-Ethyl-1,3-Dimethylpentyl)Phenol		635-389-1	186825-36-5	19/12/2012	No
p-(1,1-dimethylheptyl)phenol		250-339-5	30784-30-6	19/12/2012	No
Phenol, 4-nonyl-, branched		284-325-5	84852-15-3	19/12/2012	No
p-(1-methyloctyl)phenol		241-427-4	17404-66-9	19/12/2012	No
4-(1-ethyl-1-methylhexyl)phenol		257-907-1	52427-13-1	19/12/2012	No
4-(3-ethylheptan-2-yl)phenol		635-696-0	186825-39-8	19/12/2012	No
4-(1,1,5-Trimethylhexyl)phenol		635-388-6	521947-27-3	19/12/2012	No
Isononylphenol		234-284-4	11066-49-2	19/12/2012	No
Nonylphenol		246-672-0	25154-52-3	19/12/2012	No
Phenol, nonyl-, branched		291-844-0	90481-04-2	19/12/2012	No
4-methyl-m-phenylenediamine (toluene-2,4-diamine)		202-453-1	95-80-7	19/12/2012	No
4-aminoazobenzene		200-453-6	60-09-3	19/12/2012	No
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	covering well-defined substances and UVCB substances, polymers and homologues	-	-	19/12/2012	No
2-[[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethanol		618-344-0	9002-93-1	19/12/2012	No
20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-hexaoxaicosan-1-ol		219-682-8	2497-59-8	19/12/2012	No
2-[[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethan-1-ol		621-345-9	2315-67-5	19/12/2012	No
2-{2-[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethoxy}ethanol		621-341-7	2315-61-9	19/12/2012	No
4,4'-oxydianiline and its salts		-	-	19/12/2012	No
4,4'-oxydianiline		202-977-0	101-80-4	19/12/2012	No
4,4'-methylenedi-o-toluidine		212-658-8	838-88-0	19/12/2012	No
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine		421-150-7	143860-04-2	19/12/2012	No
1-bromopropane (n-propyl bromide)		203-445-0	106-94-5	19/12/2012	No
1,2-diethoxyethane		211-076-1	629-14-1	19/12/2012	No
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear		284-032-2	84777-06-0	19/12/2012	No
α,α -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)	229-851-8	6786-83-0	18/06/2012	No
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)		202-959-2	101-61-1	18/06/2012	No
Lead(II) bis(methanesulfonate)	-	401-750-5	17570-76-2	18/06/2012	No
Formamide		200-842-0	75-12-7	18/06/2012	No
Diboron trioxide		215-125-8	1303-86-2	18/06/2012	No
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-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)	219-943-6	2580-56-5	18/06/2012	No
[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)	208-953-6	548-62-9	18/06/2012	No

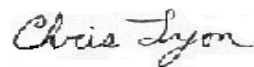
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)		202-027-5	90-94-8	18/06/2012	No
4,4'-bis(dimethylamino)-4'-(methylamino)trityl alcohol	with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	209-218-2	561-41-1	18/06/2012	No
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC)	-	423-400-0	59653-74-6	18/06/2012	No
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)		219-514-3	2451-62-9	18/06/2012	No
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)		203-977-3	112-49-2	18/06/2012	No
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)		203-794-9	110-71-4	18/06/2012	No
Zirconia 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, 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 ($\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$) content less or equal to 18% by weight	-	-	19/12/2011	No
Aluminosilicate refractory ceramic fibres		604-314-4	142844-00-6	19/12/2011	No
Trilead diarsenate		222-979-5	3687-31-8	19/12/2011	No
Potassium hydroxyoctaoxidizincatedichromate		234-329-8	11103-86-9	19/12/2011	No
Phenolphthalein		201-004-7	77-09-8	19/12/2011	No
Pentazinc chromate octahydroxide		256-418-0	49663-84-5	19/12/2011	No
N,N-dimethylacetamide		204-826-4	127-19-5	19/12/2011	No
Lead styphnate		239-290-0	15245-44-0	19/12/2011	No
Lead dipicrate		229-335-2	6477-64-1	19/12/2011	No
Lead diazide, Lead azide		236-542-1	13424-46-9	19/12/2011	No
Formaldehyde, oligomeric reaction products with aniline		500-036-1	25214-70-4	19/12/2011	No
Dichromium tris(chromate)		246-356-2	24613-89-6	19/12/2011	No
Calcium arsenate		231-904-5	7778-44-1	19/12/2011	No
Bis(2-methoxyethyl) phthalate		204-212-6	117-82-8	19/12/2011	No
Bis(2-methoxyethyl) ether		203-924-4	111-96-6	19/12/2011	No
Arsenic acid		231-901-9	7778-39-4	19/12/2011	No

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 ($\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$) content less or equal to 18% by weight	-	-	19/12/2011	No
4-(1,1,3,3-tetramethylbutyl)phenol		205-426-2	140-66-9	19/12/2011	No
2-Methoxyaniline, o-Anisidine		201-963-1	90-04-0	19/12/2011	No
2,2'-dichloro-4,4'-methylenedianiline		202-918-9	101-14-4	19/12/2011	No
1,2-dichloroethane		203-458-1	107-06-2	19/12/2011	No
Strontium chromate		232-142-6	7789-06-2	20/06/2011	No
Hydrazine		206-114-9	-01-2, 7803-5	20/06/2011	No
2-ethoxyethyl acetate		203-839-2	111-15-9	20/06/2011	No
1-Methyl-2-pyrrolidone (NMP)		212-828-1	872-50-4	20/06/2011	No
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters		271-084-6	68515-42-4	20/06/2011	No
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich		276-158-1	71888-89-6	20/06/2011	No
1,2,3-trichloropropane		202-486-1	96-18-4	20/06/2011	No
Cobalt(II) sulphate		233-334-2	10124-43-3	15/12/2010	No
Cobalt(II) dinitrate		233-402-1	10141-05-6	15/12/2010	No
Cobalt(II) diacetate		200-755-8	71-48-7	15/12/2010	No
Cobalt(II) carbonate		208-169-4	513-79-1	15/12/2010	No
Chromium trioxide		215-607-8	1333-82-0	15/12/2010	No
Acids generated from chromium trioxide and their oligomers		-	-	15/12/2010	No
Chromic acid		231-801-5	7738-94-5	15/12/2010	No
Oligomers of chromic acid and dichromic acid		-	-	15/12/2010	No
Dichromic acid		236-881-5	13530-68-2	15/12/2010	No
2-methoxyethanol		203-713-7	109-86-4	15/12/2010	No
2-ethoxyethanol		203-804-1	110-80-5	15/12/2010	No
Trichloroethylene		201-167-4	79-01-6	18/06/2010	No
Tetraboron disodium heptaoxide, hydrate		235-541-3	12267-73-1	18/06/2010	No
Sodium chromate		231-889-5	7775-11-3	18/06/2010	No
Potassium dichromate		231-906-6	7778-50-9	18/06/2010	No
Potassium chromate		232-140-5	7789-00-6	18/06/2010	No
Disodium tetraborate, anhydrous		215-540-4	3, 1303-96-4,	18/06/2010	No

Boric acid	EC No. 233-139-2 and EC No. 234-343-4	-	-	18/06/2010	No
Boric acid, crude natural		234-343-4	11113-50-1	18/06/2010	No
Boric acid		233-139-2	10043-35-3	18/06/2010	No
Ammonium dichromate		232-143-1	7789-09-5	18/06/2010	No
Acrylamide		201-173-7	79-06-1	30/03/2010	No
Tris(2-chloroethyl) phosphate		204-118-5	115-96-8	13/01/2010	No
Pitch, coal tar, high-temp.	-	266-028-2	65996-93-2	13/01/2010	No
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	-	215-693-7	1344-37-2	13/01/2010	No
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	-	235-759-9	12656-85-8	13/01/2010	No
Lead chromate		231-846-0	7758-97-6	13/01/2010	No
Diisobutyl phthalate		201-553-2	84-69-5	13/01/2010	No
Anthracene oil, anthracene-low	-	292-604-8	90640-82-7	13/01/2010	No
Anthracene oil, anthracene paste, distn. lights	-	295-278-5	91995-17-4	13/01/2010	No
Anthracene oil, anthracene paste, anthracene fraction	-	295-275-9	91995-15-2	13/01/2010	No
Anthracene oil, anthracene paste	-	292-603-2	90640-81-6	13/01/2010	No
Anthracene oil	-	292-602-7	90640-80-5	13/01/2010	No
2,4-dinitrotoluene		204-450-0	121-14-2	13/01/2010	No
Triethyl arsenate	-	427-700-2	15606-95-8	28/10/2008	No
Sodium dichromate		234-190-3	8-01-9, 7789	28/10/2008	No
Lead hydrogen arsenate		232-064-2	7784-40-9	28/10/2008	No
Hexabromocyclododecane (HBCDD)	and all major diastereoisomers identified	-	-	28/10/2008	No
1,2,5,6,9,10-hexabromocyclododecane		221-695-9	3194-55-6	28/10/2008	No
Hexabromocyclododecane		247-148-4	25637-99-4	28/10/2008	No
alpha-hexabromocyclododecane		-	134237-50-6	28/10/2008	No
beta-hexabromocyclododecane		-	134237-51-7	28/10/2008	No
gamma-hexabromocyclododecane		-	134237-52-8	28/10/2008	No
Dibutyl phthalate (DBP)		201-557-4	84-74-2	28/10/2008	No
Diarsenic trioxide		215-481-4	1327-53-3	28/10/2008	No
Diarsenic pentaoxide		215-116-9	1303-28-2	28/10/2008	No
Cobalt dichloride		231-589-4	7646-79-9	28/10/2008	No
Bis(tributyltin) oxide (TBTO)		200-268-0	56-35-9	28/10/2008	No
Bis (2-ethylhexyl)phthalate (DEHP)		204-211-0	117-81-7	28/10/2008	No
Benzyl butyl phthalate (BBP)		201-622-7	85-68-7	28/10/2008	No
Anthracene		204-371-1	120-12-7	28/10/2008	No
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)		287-476-5	85535-84-8	28/10/2008	No
5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)		201-329-4	81-15-2	28/10/2008	No
4,4'- Diaminodiphenylmethane (MDA)		202-974-4	101-77-9	28/10/2008	No

This information is correct to the best of my company's knowledge based on material survey and/or laboratory analysis of the materials and/or finished goods. If you should need further information please feel free to contact me. Ph. 315-245-3800 x348. Fax 315-245-1916. C_lyon@IWGBWD.com.

Sincerely,

A handwritten signature in cursive script that reads "Chris Lyon".

Chris Lyon

Process Eng. Mgr.

315-245-3800

c_lyon@iwgbwd.com

updated to include Jan 17, 2002

inclusions (8) B, Gafner Sr.

Process Engineer

Updated to include June 10, 2022

Including 1 new substance

B, Gafner Sr. Process Engineer