

REACH DECLARATION

Pg 1 of 8
January 21, 2019

Polyester Thermal Lamination Film Type:

LuxeFilms® Mirror Metalized™ Printable Laminate

The above **Polyester Thermal Lamination Films** are designed for use in paper lamination for Book Covers, Posters, Education Items, Driving Licenses etc, and can also be used for food packaging applications. All above products are branded as **LuxeFilms**.

LuxeFilms film products are articles under “REACH” REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL and do not require any pre registration under REACH.

We confirm that the **LuxeFilms** products identified in the list above and supplied since the first shipment in its entirety complies with the restrictions of REACH.

- We declare that none of the 197 Substances of Very High Concern (SVHC) on the REACH Candidate List, listed below, exist in a concentration above the 0.1% by weight allowable limit. As published 16th January 2019.
- We declare that none of the 22 Substances in the authorization list or any of the Restricted substances of Annex XVII are present at any detectable concentration.
- We further declare that comprehensive documentation and/or test reports from our suppliers will be made available upon request to substantiate these claims.

No.	Substance	CAS No.
1	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3- benzylidene camphor; 3-BC)	15087-24-8
2	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6
3	<u>Benzo[k]fluoranthene</u>	207-08-9
4	<u>Fluoranthene</u>	206-44-0; 93951-69-0
5	<u>Phenanthrene</u>	85-01-8
6	<u>Pyrene</u>	129-00-0; 1718-52-1
7	Benzo[ghi]perylene	191-24-2
8	Decamethylcyclopentasiloxane (D5)	541-02-6
9	Disodium octaborate	12008-41-2
10	Dodecamethylcyclohexasiloxane(D6)	540-97-6
11	Ethylenediamine	107-15-3
12	Lead	7439-92-1
13	Octamethylcyclotetrasiloxane(D4)	556-67-2
14	Terphenyl, hydrogenated	61788-32-7
15	Dicyclohexyl phthalate (DCHP)	84-61-7

REACH DECLARATION

Pg 2 of 8
January 21, 2019

No.	Substance	CAS No.
16	benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride)(TMA)	552-30-7
17	Benz[a]anthracene	56-55-3, 1718-53-2
18	Cadmium carbonate	513-78-0
19	Cadmium hydroxide	21041-95-2
20	Cadmium nitrate	10022-68-1, 10325-94-7
21	Chrysene	218-01-9, 1719-03-5
22	Dodecachloropentacyclo[12.2.1.16.9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™)	-
23	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-
24	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-
25	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7
26	nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2
27	4-heptylphenol, branched and linear (4-HPbl)	-
28	p-(1,1-dimethylpropyl)phenol (PTAP)	80-46-6
29	Benzo[def]chrysene	50-32-8
30	Nitrobenzene	98-95-3
31	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1
32	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3
33	1,3-propanesultone	1120-71-4
34	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1, 21049-39-8, 4149-60-4
35	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2- benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	68515-51-5, 68648-93-1
36	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]	
37	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7
38	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1
39	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7
40	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4- stannatetradecanoate (DOTE)	15571-58-1
41	Cadmium fluoride	7790-79-6
42	Cadmium sulphate	10124-36-4, 31119-53-6

REACH DECLARATION

Pg 3 of 8
January 21, 2019

No.	Substance	CAS No.
43	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)	
44	1,2-Benzenedicarboxylic acid, dihexylester, branched and linear	68515-50-4
45	Cadmium chloride	10108-64-2
46	Sodium perborate, perboric acid, sodium salt	
47	Sodium peroxometaborate	7632-4-4,
48	Cadmium sulphide	1306-23-6
49	Dihexyl phthalate	84-75-3
50	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0
51	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
52	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7
53	Lead di(acetate)	301-04-2
54	Trixylyl phosphate	25155-23-1
55	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]	
56	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
57	Cadmium	7440-43-9
58	Cadmium oxide	1306-19-0
59	Dipentyl phthalate (DPP)	131-18-0
60	Pentadecafluorooctanoic acid (PFOA)	335-67-1
61	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0
62	1,2-Diethoxyethane	629-14-1
63	1-bromopropane (n-propyl bromide)	106-94-5
64	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2
65	4,4'-methylenedi-o-toluidine	838-88-0
66	4,4'-oxydianiline and its salts	101-80-4
67	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	
68	4-Aminoazobenzene	60-09-3
69	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7

REACH DECLARATION

No.	Substance	CAS No.
70	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]	
71	6-methoxy-m-toluidine (p-cresidine)	120-71-8
72	[Phthalato(2-)]dioxotrilead	69011-06-9
73	Acetic acid, lead salt, basic	51404-69-4
74	Biphenyl-4-ylamine	92-67-1
75	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5
76	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2- dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	85-42-7, 13149-00-3, 14166-21-3
77	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	123-77-3
78	Dibutyltin dichloride (DBTC)	683-18-1
79	Diethyl sulphate	64-67-5
80	Diisopentylphthalate	605-50-5
81	Dimethyl sulphate	77-78-1
82	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7
83	Dioxobis(stearato)trilead	12578-12-0
84	Fatty acids, C16-18, lead salts	91031-62-8
85	Furan	110-00-9
86	Henicosafleuroundecanoic acid	2058-94-8
87	Heptacosafleurotetradecanoic acid	376-06-7
88	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9
90	Lead cyanamidate	20837-86-9
91	Lead dinitrate	10099-74-8
92	Lead monoxide (lead oxide)	1317-36-8
93	Lead oxide sulfate	12036-76-9
94	Lead titanium trioxide	12060-00-3
95	Lead titanium zirconium oxide	12626-81-2
96	Methoxyacetic acid	625-45-6

REACH DECLARATION

Pg 5 of 8
January 21, 2019

No.	Substance	CAS No.
97	Methyloxirane (Propylene oxide)	75-56-9
98	N,N-dimethylformamide	68-12-2
99	N-methylacetamide	79-16-3
100	N-pentyl-isopentylphthalate	776297-69-9
101	o-aminoazotoluene	97-56-3
102	o-Toluidine	95-53-4
103	Orange lead (lead tetroxide)	1314-41-6
104	Pentacosafuorotridecanoic acid	72629-94-8
105	Pentalead tetraoxide sulphate	12065-90-6
106	Pyrochlore, antimony lead yellow	8012-00-8
107	Silicic acid (H ₂ SiO 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]	68784-75-8
108	Silicic acid, lead salt	11120-22-2
109	Sulfurous acid, lead salt, dibasic	62229-08-7
110	Tetraethyllead	78-00-2
111	Tetralead trioxide sulphate	12202-17-4
112	Tricosafuorododecanoic acid	307-55-1
113	Trilead bis(carbonate) dihydroxide	1319-46-6
114	Trilead dioxide phosphonate	12141-20-7
115	1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)	112-49-2
116	1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)	110-71-4
117	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9
118	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
119	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1
120	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8
121	[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
122	[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

REACH DECLARATION

Pg 6 of 8
January 21, 2019

No.	Substance	CAS No.
123	Diboron trioxide	1303-86-2
124	Formamide	75-12-7
125	Lead(II) bis(methanesulfonate)	17570-76-2
126	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1
127	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)]	6786-83-0
128	1,2-Dichloroethane	107-06-2
129	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4
130	2-Methoxyaniline,o-Anisidine	90-04-0
131	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9
132	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	
133	Arsenic acid	7778-39-4
134	Bis(2-methoxyethyl) ether	111-96-6
135	Bis(2-methoxyethyl) phthalate	117-82-8
136	Calcium arsenate	7778-44-1
137	Dichromium tris(chromate)	24613-89-6
138	Formaldehyde, oligomeric reaction products with aniline	25214-70-4
139	Lead diazide, Lead azide	13424-46-9
140	Lead dipicrate	6477-64-1
141	Lead styphnate	15245-44-0
142	N,N-dimethylacetamide	127-19-5
143	Pentazinc chromate octahydroxide	49663-84-5
144	Phenolphthalein	77-09-8
145	Potassium hydroxyoctaoxidizincatedichromate	11103-86-9
146	Trilead diarsenate	3687-31-8

REACH DECLARATION

Pg 7 of 8
January 21, 2019

No.	Substance	CAS No.
147	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 (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight	
148	Cobalt dichloride	7646-79-9
149	1,2,3-trichloropropane	96-18-4
150	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6
151	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4
152	1-Methyl-2-pyrrolidone (NMP)	872-50-4
153	2-Ethoxyethyl acetate	111-15-9
154	Hydrazine	302-01-2, 7803-57-8
155	Strontium chromate	7789-6-2,
156	2-Ethoxyethanol	110-80-5
157	2-Methoxyethanol	109-86-4
158	Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid.	7738-94-5, 13530-68-2
159	Chromium trioxide	1333-82-0
160	Cobalt(II) carbonate	513-79-1
161	Cobalt(II) diacetate	71-48-7
162	Cobalt(II) dinitrate	10141-05-6
163	Cobalt(II) sulphate	10124-43-3
164	Ammonium dichromate	7789-9-5,
165	Boric acid	10043-35-3, 11113-50-1
166	Disodium tetraborate, anhydrous	1303-96-4, 1330-43-4, 12179-04-3
167	Potassium chromate	7789-00-6
168	Potassium dichromate	7778-50-9
169	Sodium chromate	7775-11-3,
170	Tetraboron disodium heptaoxide, hydrate	12267-73-1
171	Trichloroethylene	79-01-6
172	Acrylamide	79-06-1
173	2,4-Dinitrotoluene (2,4-DNT)	121-14-2

REACH DECLARATION

Pg 8 of 8
January 21, 2019

No.	Substance	CAS No.
174	Anthracene oil	90640-80-5
175	Anthracene oil, anthracene paste	90640-81-6
176	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2
177	Anthracene oil, anthracene paste, distn. lights	91995-17-4
178	Anthracene oil, anthracene-low	90640-82-7
179	Diisobutyl phthalate (DIBP)	84-69-5
180	Lead chromate	7758-97-6
181	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8
182	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2
183	Pitch, coal tar, high temp.	65996-93-2
184	Tris(2-chloroethyl)phosphate	115-96-8
185	4,4' - Diaminodiphenylmethane (MDA)	101-77-9
186	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2
187	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8
188	Anthracene	120-12-7
189	Benzyl butyl phthalate (BBP)	85-68-7
190	Bis(tributyltin) oxide (TBTO)	56-35-9
191	Diarsenic pentaoxide	1303-28-2
192	Diarsenic trioxide	1327-53-3
193	Dibutyl phthalate (DBP)	84-74-2
194	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	25637-99-4, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8
195	Lead hydrogen arsenate	7784-40-9
196	Sodium dichromate	7789-12-0, 10588-01-9
197	Triethyl arsenate	15606-95-8

Communication down the supply chain (under Articles 32 and 33 of the REACH regulation) regarding substances present in **LuxeFilms** film products is not required. We do not expect that the status of our products will change as the REACH regulation is phased in and substances are registered. But in the unlikely case that the status was to change, we will update our customers who purchased the affected product.

LuxeFilms film products are not dangerous. The required format of “safety data sheets” in the EU under REACH is designed for communicating chemical dangers—which are not posed by our products—and the same format is not well suited for physical objects/articles like **LuxeFilms** film products. Our existing Safety Data Sheets (SDS) have well defined the requirements of safe handling and storage etc and the same can be referred.