

To: V. KAFKAS SA

Date: May 10, 2019

Confirmation Letter

ACHEM Technology Corp. hereby confirms that our product listed below does not use or intentionally incorporate into any substances of very high concern (SVHC) over 0.1% by weight of the whole product under *EU REACH (Registration, Evaluation, Authorization of Chemicals)*; EG Nr.1907/2006). The substances of very high concern (SVHC) are listed in Appendix I.

Product Name: #K1ZB0 PVC Tape

We are disclosing above information, to the best of knowledge based upon data from our raw material suppliers and manufacturing process. ACHEM does not specifically analyze for the presence of these substances.

Yours Sincerely,



**Wenchou Tsai
R&D
Associate Vice -President**

Appendix I: REACH SVHC Candidate List

#	Substance Name	CAS #	SVHC Published Date
1	Anthracene	120-12-7	2008-10-28
2	4,4'- Diaminodiphenylmethane	101-77-9	2008-10-28
3	Dibutyl phthalate(DBP)	84-74-2	2008-10-28
4	Cobalt dichloride	7646-79-9	2008-10-28
5	Diarsenic pentaoxide	1303-28-2	2008-10-28
6	Diarsenic trioxide	1327-53-3	2008-10-28
7	Sodium dichromate, dihydrate	10588-01-9	2008-10-28
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	2008-10-28
9	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	2008-10-28
10	Hexabromocyclododecane (HBCDD)	3194-55-6	2008-10-28
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	2008-10-28
12	Bis(tributyltin) oxide,hexabutyldistannoxane	56-35-9	2008-10-28
13	Lead hydrogen arsenate	7784-40-9	2008-10-28
14	Triethyl arsenate	15606-95-8	2008-10-28
15	Benzyl butyl phthalate (BBP)	85-68-7	2008-10-28
#	Substance Name	CAS #	SVHC Published Date
16	2,4-Dinitrotoluene	121-14-2	2010-01-13
17	Anthracene oil	90640-80-5	2010-01-13
18	Anthracene oil, anthracene paste	90640-81-6	2010-01-13
19	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	2010-01-13
20	Anthracene oil, anthracene paste,distn. lights	91995-17-4	2010-01-13
21	Anthracene oil, anthracene-low	90640-82-7	2010-01-13
22	Diisobutyl phthalate	84-69-5	2010-01-13
23	Lead chromate	7758-97-6	2010-01-13
24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	2010-01-13
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	2010-01-13
26	Pitch, coal tar, high temp.	65996-93-2	2010-01-13
27	Tris(2-chloroethyl)phosphate	115-96-8	2010-01-13
#	Substance Name	CAS #	SVHC Published Date
28	Acrylamide	79-06-1	2010-03-30
#	Substance Name	CAS #	SVHC Published Date
29	Trichloroethylene	79-01-6	2010-06-18
30	Boric acid	10043-35-3	2010-06-18
31	Disodium tetraborate, anhydrous	1330-43-4	2010-06-18
32	Tetraboron disodium heptaoxide, hydrate	12267-73-1	2010-06-18
33	Sodium chromate	7775-11-3	2010-06-18
34	Potassium chromate	7789-00-6	2010-06-18
35	Ammonium dichromate	7789-09-5	2010-06-18
36	Potassium dichromate	7778-50-9	2010-06-18
#	Substance Name	CAS #	SVHC Published Date
37	Cobalt(II) sulphate	10124-43-3	2010-12-15

38	Cobalt(II) dinitrate	10141-05-6	2010-12-15
39	Cobalt (II) carbonate	513-79-1	2010-12-15
40	Cobalt(II) diacetate	71-48-7	2010-12-15
41	2-Methoxyethanol	109-86-4	2010-12-15
42	2-Ethoxyethanol	110-80-5	2010-12-15
43	Chromium trioxide	1333-82-0	2010-12-15
44	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid	7738-94-5 13530-68-2	2010-12-15
#	Substance Name	CAS#	SVHC Published Date
45	2-Ethoxyethyl acetate	111-15-9	2011-06-20
46	Strontium chromate	7789-06-2	2011-06-20
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	2011-06-20
48	Hydrazine	302-01-2 7803-57-8	2011-06-20
49	1-Methyl-2-pyrrolidone	872-50-4	2011-06-20
50	1,2,3-Trichloropropane	96-18-4	2011-06-20
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	2011-06-20
#	Substance Name	CAS#	SVHC Published Date
52	Lead styphnate	15245-44-0	2011-12-19
53	Lead diazide, Lead azide	13424-46-9	2011-12-19
54	Lead dipicrate	6477-64-1	2011-12-19
55	Phenolphthalein	77-09-8	2011-12-19
56	2,2'-Dichloro-4,4'-methylenedianiline	101-14-4	2011-12-19
57	N,N-dimethylacetamide	127-19-5	2011-12-19
58	Trilead diarsenate	3687-31-8	2011-12-19
59	Calcium arsenate	7778-44-1	2011-12-19
60	Arsenic acid	7778-39-4	2011-12-19
61	Bis(2-methoxyethyl) ether	111-96-6	2011-12-19
62	1,2-Dichloroethane	107-06-2	2011-12-19
63	4-(1,1,3,3-Tetramethylbutyl)phenol; 4-tert-octyl phenol	140-66-9	2011-12-19
64	2-Methoxyaniline; o-Anisidine	90-04-0	2011-12-19
65	Bis(2-methoxyethyl) phthalate	117-82-8	2011-12-19
66	Bis(2-methoxyethyl) ether	111-96-6	2011-12-19
67	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	2011-12-19
68	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, labeling and packaging of substances and mixtures, and fulfill the three following conditions: a) oxides of aluminum, 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 micrometers (µm).		2011-12-19

	c) alkaline oxide and alkali earth oxide (Na₂O+K₂O+CaO+MgO+BaO) content less or equal to 18% by weight 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, labeling and packaging of substances and mixtures, and fulfill the three following conditions: a) oxides of aluminum 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 micrometers (µm) c) alkaline oxide and alkali earth oxide (Na₂O+K₂O+CaO+MgO+BaO) content less or equal to 18% by weight		
69	Pentazinc chromate octahydroxide	49663-84-5	2011-12-19
70	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	2011-12-19
71	Dichromium tris(chromate)	24613-89-6	2011-12-19
#	Substance Name	CAS#	SVHC Published Date
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	2012-06-18
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	2012-06-18
74	Diboron trioxide	1303-86-2	2012-06-18
75	Formamide	75-12-7	2012-06-18
76	Lead(II) bis(methanesulfonate)	17570-76-2	2012-06-18
77	1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (TGIC)	2451-62-9	2012-06-18
78	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	2012-06-18
79	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)]	90-94-8	2012-06-18
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	2012-06-18
81	[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	2012-06-18
82	[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	2012-06-18
83	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	2012-06-18
84	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	2012-06-18
#	Substance Name	CAS#	SVHC Published

			Date
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	2012-12-19
86	Pentacosafuorotridecanoic acid	72629-94-8	2012-12-19
87	Tricosafuorododecanoic acid	307-55-1	2012-12-19
88	Henicosafuoroundecanoic acid	2058-94-8	2012-12-19
89	Heptacosafuorotetradecanoic acid	376-06-7	2012-12-19
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCB substances, polymers and homologues	-	2012-12-19
91	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	-	2012-12-19
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	2012-12-19
93	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] <i>[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]</i>	85-42-7, 13149-00-3, 14166-21-3	2012-12-19
94	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] <i>[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]</i>	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	2012-12-19
95	Methoxy acetic acid	625-45-6	2012-12-19
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	2012-12-19
97	Diisopentylphthalate (DIPP)	605-50-5	2012-12-19
98	N-pentyl-isopentylphthalate	776297-69-9	2012-12-19
99	1,2-Diethoxyethane	629-14-1	2012-12-19
100	N,N-dimethylformamide; dimethyl formamide	68-12-2	2012-12-19
101	Dibutyltin dichloride (DBTC)	683-18-1	2012-12-19
102	Acetic acid, lead salt, basic	51404-69-4	2012-12-19
103	Basic lead carbonate (trilead bis(carbonate)dihydroxide)	1319-46-6	2012-12-19
104	Lead oxide sulfate (basic lead sulfate)	12036-76-9	2012-12-19
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)	69011-06-9	2012-12-19
106	Dioxobis(stearato)trilead	12578-12-0	2012-12-19
107	Fatty acids, C16-18, lead salts	91031-62-8	2012-12-19
108	Lead bis(tetrafluoroborate)	13814-96-5	2012-12-19
109	Lead cyanamide	20837-86-9	2012-12-19
110	Lead dinitrate	10099-74-8	2012-12-19
111	Lead oxide (lead monoxide)	1317-36-8	2012-12-19
112	Lead tetroxide (orange lead)	1314-41-6	2012-12-19
113	Lead titanium trioxide	12060-00-3	2012-12-19
114	Lead Titanium Zirconium Oxide	12626-81-2	2012-12-19
115	Pentalead tetraoxide sulphate	12065-90-6	2012-12-19

116	Pyrochlore, antimony lead yellow	8012-00-8	2012-12-19
117	Silicic acid (H ₂ Si ₂ O ₅), 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	2012-12-19
118	Silicic acid, lead salt	11120-22-2	2012-12-19
119	Sulfurous acid, lead salt, dibasic	62229-08-7	2012-12-19
120	Tetraethyllead	78-00-2	2012-12-19
121	Tetralead trioxide sulphate	12202-17-4	2012-12-19
122	Trilead dioxide phosphonate	12141-20-7	2012-12-19
123	Furan	110-00-9	2012-12-19
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	2012-12-19
125	Diethyl sulphate	64-67-5	2012-12-19
126	Dimethyl sulphate	77-78-1	2012-12-19
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	2012-12-19
128	Dinoseb	88-85-7	2012-12-19
129	4,4'-methylenedi-o-toluidine	838-88-0	2012-12-19
130	4,4'-oxydianiline and its salts	101-80-4	2012-12-19
131	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	2012-12-19
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	2012-12-19
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	2012-12-19
134	Biphenyl-4-ylamine	92-67-1	2012-12-19
135	o-aminoazotoluene	97-56-3	2012-12-19
136	o-Toluidine ; 2-Aminotoluene	95-53-4	2012-12-19
137	N-methylacetamide	79-16-3	2012-12-19
138	1-bromopropane; n-propyl bromide	106-94-5	2012-12-19
#	Substance Name	CAS#	SVHC Published Date
139	Cadmium	7440-43-9	2013-06-20
140	Cadmium oxide	1306-19-0	2013-06-20
141	Dipentyl phthalate (DPP)	131-18-0	2013-06-20
142	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]		2013-06-20
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	2013-06-20
144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	2013-06-20
#	Substance Name	CAS#	SVHC Published Date
145	Cadmium sulphide	1306-23-6	2013-12-16
146	Dihexyl phthalate	84-75-3	2013-12-16
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)] bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	2013-12-16
148	Disodium	1937-37-7	2013-12-16

	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)		
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	2013-12-16
150	Lead di (acetate)	301-04-2	2013-12-16
151	Trixylyl phosphate	25155-23-1	2013-12-16
#	Substance Name	CAS#	SVHC Published Date
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	2014-06-16
153	Cadmium chloride(EC No.239-172-9,234-390-0)	10108-64-2	2014-06-16
154	Sodium perborate; perboric acid, sodium salt		2014-06-16
155	Sodium peroxometaborate	7632-04-4	2014-06-16
#	Substance Name	CAS#	SVHC Published Date
156	2-(2H benzotriazol-2-yl)-4,6-ditertpentylphenol(UV-328)	25973-55-1	2014-12-17
157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	2014-12-17
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	2014-12-17
159	Cadmium fluoride	7790-79-6	2014-12-17
160	Cadmium sulphate	10124-36-4;3 1119-53-6	2014-12-17
161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	2014-12-17
#	Substance Name	CAS#	SVHC Published Date
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1	2015.06.15
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]		2015.06.15
#	Substance Name	CAS#	SVHC Published Date
164	1,3-Propanesultone	1120-71-4	2015-12-17
165	2,4-Di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	2015-12-17
166	2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	2015-12-17
167	Nitrobenzene	98-95-3	2015-12-17
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-Heptafluorooctanoic acid and its sodium and ammonium salts)	375-95-1 21049-39-8 4149-60-4	2015-12-17
#	Substance Name	CAS#	SVHC Published

			Date
169	Benzo[def]chrysene	50-32-8	2016-06-20
#	Substance Name	CAS#	SVHC Published Date
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	2017-01-12
171	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]	-----	2017-01-12
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	2017-01-12
173	p-(1,1-dimethylpropyl) phenol = 4-tert-pentylphenol (PTAP)	80-46-6	2017-01-12
#	Substance Name	CAS#	SVHC Published Date
'-----	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	2017-07-07
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	'-----	2017-07-07
#	Substance Name	CAS#	SVHC Published Date
175	Benz[a]anthracene	1718-53-2; 56-55-3	2018-01-15
176	Cadmium carbonate	513-78-0	2018-01-15
177	Cadmium hydroxide	21041-95-2	2018-01-15
178	Cadmium nitrate	10325-94-7 ; 10022-68-1	2018-01-15
179	Chrysene	1719-03-5 ; 218-01-9	2018-01-15
180	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™)	-----	2018-01-15
181	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]	-----	2018-01-15
#	Substance Name	CAS#	SVHC Published Date
182	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (trimellitic anhydride; TMA)	552-30-7	2018-06-27
183	Dicyclohexyl phthalate (DCHP)	84-61-7	2018-06-27
184	Benzo[ghi]perylene	191-24-2	2018-06-27
185	Octamethylcyclotetrasiloxane (D4)	556-67-2	2018-06-27
186	Decamethylcyclopentasiloxane (D5)	541-02-6	2018-06-27
187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	2018-06-27
188	Ethylenediamine	107-15-3	2018-06-27
189	Lead	7439-92-1	2018-06-27
190	Disodium octaborate	12008-41-2	2018-06-27
191	Terphenyl hydrogenated	61788-32-7	2018-06-27

#	Substance Name	CAS#	SVHC Published Date
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	2019-01-15
193	Benzo[k]fluoranthene	207-08-9	2019-01-15
194	Fluoranthene	206-44-0, 93951-69-0	2019-01-15
195	Phenanthrene	85-01-8	2019-01-15
196	Pyrene	129-00-0, 1718-52-1	2019-01-15
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1] heptan-2-one (3-benzylidene camphor); 3-BC	15087-24-8	2019-01-15