



## CERTIFICATE OF COMPLIANCE

Company: **Keats Manufacturing Co.**

Address: **350 Holbrook Drive**

**Wheeling, IL 60090**

Contact person: **Matt Bujak**

Title: **Corporate Quality Manager**

E-mail: **mbujak@keatsmfg.com**

Telephone: **847.520.1133**

This letter is to confirmation that the product(s)/material(s) listed above comply with the REACH 0.1% limit for any of the current 209 REACH Substances of Very High Concern (SVHC) as specified in the Candidate list published by ECHA (European Chemical Agency). If any substances are used greater than the 0.1% limit, please note at the end of this confirmation.

No	Substance Name	CAS Number	Date of inclusion
1	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	2008/10/28
2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	2008/10/28
3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	2008/10/28
4	Anthracene	120-12-7	2008/10/28
5	Benzyl butyl phthalate (BBP)	85-68-7	2008/10/28
6	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	2008/10/28; 2014/12/17
7	Bis(tributyltin)oxide (TBTO)	56-35-9	2008/10/28
8	Diarsenic pentaoxide	1303-28-2	2008/10/28
9	Diarsenic trioxide	1327-53-3	2008/10/28
10	Dibutyl phthalate (DBP)	84-74-2	2008/10/28

11	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)	2008/10/28
12	Lead hydrogen arsenate	7784-40-9	2008/10/28
13	Sodium dichromate	7789-12-0, 10588-01-9	2008/10/28
14	Triethyl arsenate	15606-95-8	2008/10/28
15	Cobalt dichloride	7646-79-9	2008/10/28
No	Substance Name	CAS Number	Date of inclusion
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
28	Acrylamide	79-06-1	2010/03/30

No	Substance Name	CAS Number	Date of inclusion
29	Ammonium dichromate	2151163.0	2010/06/18
30	Boric acid	10043-35-3, 11113-50-1	2010/06/18
31	Disodium tetraborate, anhydrous	1303-96-4, 1330-43-4, 12179-04-3	2010/06/18
32	Potassium chromate	7789-00-6	2010/06/18
33	Potassium dichromate	7778-50-9	2010/06/18
34	Sodium chromate	7775-11-3	2010/06/18
35	Tetraboron disodium heptaoxide, hydrate	12267-73-1	2010/06/18
36	Trichloroethylene	79-01-6	2010/06/18

No	Substance Name	CAS Number	Date of inclusion
37	2-Ethoxyethanol	110-80-5	2010/12/15

38	2-Methoxyethanol	109-86-4	2010/12/15
39	Acids generated from chromium trioxide and their oligomers. Group containing: Chromic acid, Dichromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	7738-94-5, 13530-68-2	2010/12/15
40	Chromium trioxide	1333-82-0	2010/12/15
41	Cobalt(II) carbonate	513-79-1	2010/12/15
42	Cobalt(II) diacetate	71-48-7	2010/12/15
43	Cobalt(II) dinitrate	10141-05-6	2010/12/15
44	Cobalt(II) sulphate	10124-43-3	2010/12/15

No	Substance Name	CAS Number	Date of inclusion
45	1,2,3-Trichloropropane	96-18-4	2011/06/20
46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	2011/06/20
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	2011/06/20
48	1-Methyl-2-pyrrolidone	872-50-4	2011/06/20
49	2-Ethoxyethyl acetate	111-15-9	2011/06/20
50	Hydrazine	302-01-2, 7803-57-8	2011/06/20
51	Strontium chromate	7789-06-2	2011/06/20

No	Substance Name	CAS Number	Date of inclusion
52	1,2-dichloroethane	107-06-2	2011/12/19
53	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	2011/12/19
54	2-Methoxyaniline; o-Anisidine	90-04-0	2011/12/19
55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	2011/12/19
56	Aluminosilicate Refractory Ceramic Fibres		2011/12/19
57	Arsenic acid	7778-39-4	2011/12/19
58	Bis(2-methoxyethyl) ether	111-96-6	2011/12/19
59	Bis(2-methoxyethyl) phthalate	117-82-8	2011/12/19
60	Calcium arsenate	7778-44-1	2011/12/19
61	Dichromium tris(chromate)	24613-89-6	2011/12/19
62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	2011/12/19
63	Lead diazide, Lead azide	13424-46-9	2011/12/19
64	Lead dipicrate	6477-64-1	2011/12/19
65	Lead styphnate	15245-44-0	2011/12/19
66	N,N-dimethylacetamide	127-19-5	2011/12/19
67	Pentazinc chromate octahydroxide	49663-84-5	2011/12/19
68	Phenolphthalein	77-09-8	2011/12/19
69	Potassium hydroxyoctaoxidizincatedichromate	11103-86-9	2011/12/19
70	Trilead diarsenate	3687-31-8	2011/12/19
71	Zirconia Aluminosilicate Refractory Ceramic Fibres		2011/12/19

No	Substance Name	CAS Number	Date of inclusion
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	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	2012/06/18
78	$\beta$ -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	2012/06/18
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	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-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	2012/06/18
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	2012/06/18
83	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	2012/06/18
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	2012/06/18

No	Substance Name	CAS Number	Date of inclusion
85	Pyrochlore, antimony lead yellow	8012-00-8	2012/12/19
86	6-methoxy-m-toluidine (p-cresidine)	120-70-8	2012/12/19
87	Henicosafleuroundecanoic acid	2058-94-8	2012/12/19
88	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
89	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
90	Dibutyltin dichloride (DBTC)	683-18-1	2012/12/19
91	Lead bis(tetrafluoroborate)	13814-96-5	2012/12/19
92	Lead dinitrate	10099-74-8	2012/12/19

93	Silicic acid, lead salt	11120-22-2	2012/12/19
94	4- Aminoazobenzene	60-09-3	2012/12/19
95	Lead titanium zirconium oxide	12626-81-2	2012/12/19
96	Lead monoxide (lead oxide)	1317-36-8	2012/12/19
97	o-Toluidine	95-53-4	2012/12/19
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	2012/12/19
99	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	2012/12/19
100	Trilead bis(carbonate)dihydroxide	1319-46-6	2012/12/19
101	Furan	110-00-9	2012/12/19
102	N,N-dimethylformamide	68-12-2	2012/12/19
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [ <i>covering well-defined substances and UVCB substances, polymers and homologues</i> ]	-	2012/12/19
104	4-Nonylphenol, branched and linear [ <i>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</i> ]	-	2012/12/19
105	4,4'-methylenedi-o-toluidine	838-88-0	2012/12/19
106	Diethyl sulphate	64-67-5	2012/12/19
107	Dimethyl sulphate	77-78-1	2012/12/19
108	Lead oxide sulphate	12036-76-9	2012/12/19
109	Lead titanium trioxide	12060-00-3	2012/12/19
110	Acetic acid, lead salt, basic	51404-69-4	2012/12/19
111	[Phthalato(2-)]dioxotrilead	69011-06-9	2012/12/19
112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	2012/12/19
113	N-methylacetamide	79-16-3	2012/12/19
114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	2012/12/19
115	1,2-Diethoxyethane	629-14-1	2012/12/19
116	Tetralead trioxide sulphate	12202-17-4	2012/12/19
117	N-pentyl-isopentylphthalate	776297-69-9	2012/12/19
118	Dioxobis(stearate)trilead	12578-12-0	2012/12/19
119	Tetraethyllead	78-00-2	2012/12/19
120	Pentalead tetraoxide sulphate	12065-90-6	2012/12/19
121	Pentacosfluorotridecanoic acid	72629-94-8	2012/12/19
122	Tricosfluorododecanoic acid	307-55-1	2012/12/19
123	Heptacosfluorotetradecanoic acid	376-06-7	2012/12/19

124	1-bromopropane (n-propyl bromide)	106-94-5	2012/12/19
125	Methoxyacetic acid	625-45-6	2012/12/19
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	2012/12/19
127	Methyloxirane (Propylene oxide)	75-56-9	2012/12/19
128	Trilead dioxide phosphonate	12141-20-7	2012/12/19
129	o-aminoazotoluene	95-56-3	2012/12/19
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	2012/12/19
131	4,4'-oxydianiline and its salts	101-80-4	2012/12/19
132	Orange lead (lead tetraoxide)	1314-41-6	2012/12/19
133	Biphenyl-4-ylamine	92-67-1	2012/12/19
134	Diisopentylphthalate	605-50-5	2012/12/19
135	Fatty acids, C16-18, lead salts	91031-62-8	2012/12/19
136	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	2012/12/19
137	Sulfurous acid, lead salt, dibasic	62229-08-7	2012/12/19
138	Lead cyanamidate	20837-86-9	2012/12/19

No	Substance Name	CAS Number	Date of inclusion
139	Cadmium	7440-43-9	2013/06/20
140	Cadmium oxide	1306-19-0	2013/06/20
141	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	2013/06/20
142	Pentadecafluorooctanoic acid (PFOA)	335-67-1	2013/06/20
143	Dipentyl phthalate (DPP)	131-18-0	2013/06/20
144	4-Nonylphenol, branched and linear, ethoxylated (substance 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

No	Substance Name	CAS Number	Date of inclusion
145	Cadmium sulphide	1306-23-6	2013/12/16
146	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
147	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	2013/12/16
148	Dihexyl phthalate	84-75-3	2013/12/16
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

No	Substance Name	CAS Number	Date of inclusion
----	----------------	------------	-------------------

152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	2014/06/16
153	Sodium perborate; perboric acid, sodium salt	--	2014/06/16
154	Sodium peroxometaborate	7632-04-4	2014/06/16
155	Cadmium chloride	10108-64-2	2014/06/16

No	Substance Name	CAS Number	Date of inclusion
156	Cadmium fluoride	7790-79-6	2014/12/17
157	Cadmium sulphate	10124-36-4; 31119-53-6	2014/12/17
158	2-Benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	2014/12/17
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	2014/12/17
160	2-Ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	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

No	Substance Name	CAS Number	Date of inclusion
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

No	Substance Name	CAS Number	Date of inclusion
164	Nitrobenzene	98-95-3	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	1,3-propanesultone	1120-71-4	2015/12/17
168	Perfluoronan-1-oic-acid and its sodium and ammonium salts	375-95-1; 20149-39-8; 4149-60-4	2015/12/17

No	Substance Name	CAS Number	Date of inclusion
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	2016/6/20

170	p-(1,1-dimethylpropyl)phenol (PTAP)	201-280-9	2017/1/12
171	4,4'-isopropylidenediphenol (bisphenol A)	201-245-8	2017/1/12
172	nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	206-400-3	2017/1/12
173	4-heptylphenol, branched and linear (4-HPbl)	-	2017/1/12
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	2017/7/7

No	Substance Name	CAS Number	Date of inclusion
175	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)		2018/1/15
176	Chrysene	218-01-9, 1719-03-5	2018/1/15
177	Cadmium nitrate	10022-68-1, 10325-94-7	2018/1/15
178	Cadmium hydroxide	21041-95-2	2018/1/15
179	Cadmium carbonate	513-78-0	2018/1/15
180	Benz[a] anthracene	56-55-3, 1718-53-2	2018/1/15
181	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" tm) covering any of its individual anti- and syn-isomers or any combination thereof		2018/1/15
182	benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride)(TMA)	552-30-7	6/27/2018
183	Dicyclohexyl phthalate (DCHP)	84-61-7	6/27/2018
184	Terphenyl, hydrogenated	61788-32-7	6/27/2018
185	Octamethylcyclotetrasiloxane(D4)	556-67-2	6/27/2018
186	Lead	7439-92-1	6/27/2018
187	Ethylenediamine	107-15-3	6/27/2018
188	Dodecamethylcyclohexasiloxane(D6)	540-97-6	6/27/2018
189	Disodium octaborate	12008-41-2	6/27/2018
190	Decamethylcyclopentasiloxane (D5)	541-02-6	6/27/2018
191	Benzo[ghi]perylene	191-24-2	6/27/2018
192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo(2.2.1) hetan-2-one-3-benzylidenecamphor;3-BC	15087-24-B	1/15/2019
193	Pyrene	129-00-0/1718-52-1	1/15/2019



194	Phenanthrene	85-01-8	1/15/2019
195	Fluoranthene	206-44-0/93951-69-0	1/15/2019
196	Benzo(k)fluoranthene	207-08-9	1/15/2019
197	2,2-bis(4;"-hydroxyphenyl)-4-methylpentane	6807-17-6	1/15/2019
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides		7/16/2019
199	2-methoxyethyl acetate	110-49-6	7/16/2019
200	4-tert-butylphenol	98-54-4	7/16/2019
201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq$ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)		7/16/2019
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	1/16/2020
203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	1/16/2020
204	Diisohexyl phthalate	71850-09-4	1/16/2020
205	Perfluorobutane sulfonic acid (PFBS) and its salts		1/16/2020
206	Dibutylbis(pentance-2,4-dionato-O,O')tin	22673-19-4	06/25/2020
207	Butyl 4-hydroxybenzoate	94-26-8	06/25/2020
208	2-methylimidazole	693-98-1	06/25/2020
209	1-vinylimidazole	1072-63-5	06/25/2020

Please list all SVHCs present >0.1% in materials supplied to Keats Manufacturing Co. Inc.

\_\_\_\_\_

\_\_\_\_\_

X No SVHC's are present in supplied materials.

Signature:           *Matt Bujak*           Date: 09/10/2020

Name:   Matt Bujak   Phone:   847.520.1133