

Avnet Europe Comm. VA and EBV Elektronik GmbH & Co KG,
its subsidiaries and affiliated EMEA group companies

Thursday, September 21, 2017

Dear Mr. Steinberger ,

Re: Response to Request for Composition Information on Candidate List Substances

This letter is in response to your request dated 7th of July for composition information on Candidate List Substances related to Art. 59.1 of Regulation No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as updated by ECHA on 7 July 2017 (<http://echa.europa.eu/web/guest/candidate-list-table>).

Due to the wide variation in content and format of such request forms, it is the policy of 3M to provide letters, such as this one, in response to requests for regulatory information.

On behalf of 3M, to the best of 3M's knowledge, the following chemicals are present at or above 0.1% in the products in Appendix A

Additional information on SVHC presence might become available after the additional screening on the articles that the product is composed of has been finalized by 3M and its suppliers. See Appendix B.

As per the 10 Sept. 2015 ruling of the Court of Justice of the European Union (<http://curia.europa.eu/jcms/upload/docs/application/pdf/2015-09/cp150100en.pdf>) the SVHC content of an article that is composed of other articles (sub-articles) needs to be determined on a sub-article basis.

3M is committed to implement the ruling and has adopted the new basis for calculating the SVHC content of articles composed of other articles.

In preparing this response, 3M has relied in part on information provided by 3M suppliers.

I trust the above information is responsive to your request.

Please contact Francesco Fasoglio if there are any additional questions.

Sincerely,

Alfred G. Weimer
Specialist Product Responsibility Liaison

Appendix A

Description	3M SKU	3M ID	Product Description (Produkt-Kurz-Beschreibung)	REACH-SVHC?	Comment
3319/10 300	80000917908	7000005676	3319/10 300 MOQ=2RLS	Y (CASRN 80-05-7)	can only be used < 50V a.c. in EU
3319/20 100 SF	80400030625	7000057625	3319/20 100SF=20/RC/HFLX/28AWG/STR/.050	Y (CASRN 80-05-7)	can only be used < 50V a.c. in EU
3319/16 100	80610190193	7000005968	3319/16 100FT MOQ 10RLS	Y (CASRN 80-05-7)	can only be used < 50V a.c. in EU
3319/06 100SF	80610370126	7000058045	3319/06 100 SF=6/RC/HFLX/28AWG/STR/.050	Y (CASRN 80-05-7)	can only be used < 50V a.c. in EU
3319/06 300SF	80610370647	7000058046	3319/06/ 300 SF=6/RC/HFLX/28AWG/STR/.050	Y (CASRN 80-05-7)	can only be used < 50V a.c. in EU
3302/20 100 SF	80610377329	7000145515	3302/20(100 SF)=20/CAB/RC/CC/28AWG/STR	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3302/24 100 SF	80610377337	7000058051	3302/24 100 SF=24/RC/CC/28AWG/STR/.050	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3302/37 100SF	80610377345	7000058052	3302/37 100 SF=37/RC/CC/28AWG/STR/.050	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3302/60 100 SF	80610377352	7000005993	3302/60(100 SF) 3RLS/CTN	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3302/09 100 SF	80610379531	7000058057	3302/09 100 SF=9/RC/CC/28AWG/STR/.050	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
1700/34 300 SF	80610525208	7000058107	1700/34 300SF =34/RC/TPMT(20,2)/28AWG/.0	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3319/10 100	80610574966	7100007677	3319/10(100) =10/CAB/RC/HFLX/28AWG/STR	Y (CASRN 80-05-7)	can only be used < 50V a.c. in EU
3319/14 100	80610574974	7000058123	3319/14(100) =14/RC/HFLX/28AWG/STR/.050	Y (CASRN 80-05-7)	can only be used < 50V a.c. in EU
3319/20 100	80610574990	7000058124	3319/20(100) =20/RC/HFLX/28AWG/STR/.050	Y (CASRN 80-05-7)	can only be used < 50V a.c. in EU
3319/26 100	80610575021	7000006009	3319/26 (100) MOQ=5RLS"	Y (CASRN 80-05-7)	can only be used < 50V a.c. in EU
3319/34 100	80610575047	7000031496	3319/34(100) =34/CAB/RC/HFLX/28AWG/STR	Y (CASRN 80-05-7)	can only be used < 50V a.c. in EU
3319/40 100	80610575070	7000058127	3319/40(100) =40/RC/HFLX/28AWG/STR/.050	Y (CASRN 80-05-7)	can only be used < 50V a.c. in EU
3319/50 100	80610575088	7000058128	3319/50(100) =50/RC/HFLX/28AWG/STR/.050	Y (CASRN 80-05-7)	can only be used < 50V a.c. in EU
3319/20 300	80610605547	7000058142	3319/20(300) =20/RC/HFLX/28AWG/STR/.050	Y (CASRN 80-05-7)	can only be used < 50V a.c. in EU
3811/10 100	80610705735	7000058205	3811/10 100 =10/RC/CC/26AWG/STR/.050	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3811/14 100	80610705743	7000006026	3811/14 100FT MOQ 10RLS	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3811/16 100	80610705768	7000058206	3811/16 100 =16/CAB/RC/CC/26AWG/STR/.050	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3811/20 100	80610705784	7000058207	3811/20 100 =20/CAB/RC/CC/26AWG/STR/.050	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3811/26 100	80610705818	7000058208	3811/26 100 =26/CAB/RC/CC/26AWG/STR/.050	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3811/40 100	80610705867	7000006027	3811/40 MOQ=3RLS	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3811/50 100	80610705875	7000058210	3811/50 100 =50/RC/CC/26AWG/STR/.050	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3811/60 100	80610705891	7000058211	3811/60 (100) =60/CAB/RC/CC/26AWG	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3811/64 100	80610705909	7000058212	3811/64 100 =64/CAB/RC/CC/26AWG/STR/.050	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3302/10 300	80610706113	7000058214	3302/10(300) =10/RC/CC/28AWG/STR/.050	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3302/40 100 SF	80610708721	7000006029	3302/40 100tSF	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
1700/40 100 SF	80610711105	7000006030	1700/40 100SF	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3302/14 100 SF	80610712129	7000058240	3302/14(100 SF)=14/RC/CC/28AWG/STR/.050	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3302/26 100 SF	80610714232	7000058244	3302/26 100 SF=26/RC/CC/28AWG/STR/.050	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3302/50 100 SF	80610714240	7000006031	3302/50 100tSF	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
1700/50 100 SF	80610718043	7000058248	1700/50 100SF =50/RC/TPMT(20,2)/28AWG/.0	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3319/16 300SF	80610718803	7000058249	3319/16 300 SF=16/RC/HFLX/28AWG/STR/.050	Y (CASRN 80-05-7)	can only be used < 50V a.c. in EU
1700/34 100 SF	80610788814	7000058335	1700/34 100SF =34/RC/TPMT(20,2)/28AWG/.0	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3302/10 100 SF	80610790075	7000058336	3302/10 100 SF=10/RC/CC/28AWG/STR/.050	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3302/16 100 SF	80610790265	7000058337	3302/16 100 SF=16/RC/CC/28AWG/STR/.050	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3302/25 100 SF	80610790273	7000058338	3302/25 100 SF=25/RC/CC/28AWG/STR/.050	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3302/64 100 SF	80610790281	7000006058	3302/64(100 SF)	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
1700/14 100 SF	80610790679	7000058339	1700/14 100SF =14/RC/TPMT(20,2)/28AWG/.0	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
1700/16 100 SF	80610790687	7000058340	1700/16 100SF =16/RC/TPMT(20,2)/28AWG/.0	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
1700/26 100 SF	80610790703	7000058342	1700/26 100SF =26/RC/TPMT(20,2)/28AWG/.0	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3302/34 100 SF	80610792642	7000006059	3302/34(100 SF) MOQ=5RLS	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU
3811/10 300 SF	80610795348	7000058346	3811/10 300 SF=10/RC/CCOD/26AWG/STR/.05	Y (CASRN 25155-23-1)	can only be used < 50V a.c. in EU

Appendix B

Description	3M SKU	3M ID	Product Description (Produkt-Kurz-Beschreibung)
3443-82-04	70010032277	7100029402	3443-82-04=Loc Plte 451 Series Appl Tool
3443-82-06	70010032285	7100029404	3443-82-06=Loc Plte 451 Series Appl Tool
3443-82-08	70010032293	7100029440	3443-82-08=Loc Plte 451 Series Appl Tool
3443-82-10	70010032301	7100029441	3443-82-10=Loc Plte 451 Series Appl Tool
3443-82-12	70010032319	7100029443	3443-82-12=Loc Plte 451 Series Appl Tool
3443-82-14	70010032327	7100029444	3443-82-14=Loc Plte 451 Series Appl Tool
3443-82-16	70010032335	7100029445	3443-82-16=Loc Plte 451 Series Appl Tool
3443-82-20	70010032343	7100029446	3443-82-20=Loc Plte 451 Series Appl Tool
3443-82-30	70010032368	7100029447	3443-82-30=Loc Plte 451 Series Appl Tool
3442-9	80610031504	7000057711	3442-9,PLATENFORSOCKETS,PCBS
5602-12-0142A-300	DE272971677	7000062924	5602-12-0142A-300
3829 PRESSMASTER MDR HAND TOOL	FE510000881	7000076532	PRESSMASTER MDR HAND TOOL LAMINATOR
3829-02	FE510038667	7000076554	FIXTURE UNIT 3829-02
10961 MDR CUTTING UNIT	JE150172870	7000090159	TOOL 10961 MDR CUT G UNIT 10960
10964-1 MDR CABLE CLAMP	JE150172904	7000090161	TOOL 10964-1 MDR CABLE CLAMP S 10960
10964-2	JE150172912	7000090162	TOOL 10964-2 MDR CABLE CLAMP M 10960
14536-SZ6C-F00-4HC	JE150281994	7000090207	14536-SZ6C-F00-4HC (RC)
14536-SZ6C-L00-4HC	JE150282000	7000090208	14536-SZ6C-L00-4HC (RC)
5602-22-0000-300	XA007002976	7000103664	5602-22-0000-300Å, SATA CABLE ASSY
2908-05WB-MG	XA007003073	7000103665	2908-05WB-MGMICROSD PUSH CON NECTOR