

To All sales persons concerned

Approach for addition of 4 substances to RoHS Directive

We announce the details and schedule for the addition of 4 substances to RoHS Directive.

1. Summary

European Delegated Directive EU/2015/863 officially adding the four phthalate substances to the EU RoHS Directive which was published on June, 2015. And 10 substances shall be restricted from July 22, 2019.

2. Restricted substances

Table 1 Restricted substances and limit

No.	Substance	Limit	note
1	Cadmium and cadmium compounds	100ppm	
2	Lead and lead compounds	1000ppm	
3	Mercury and mercury compounds	1000ppm	
4	Hexavalent chromium compounds	1000ppm	
5	Polybrominated biphenyls (PBB)	1000ppm	
6	Polybrominated diphenyl ethers (PBDE)	1000ppm	
7	Bis(2-ethylhexyl) phthalate (DEHP)	1000ppm	added
8	Butyl benzyl phthalate (BBP)	1000ppm	added
9	Dibutyl phthalate (DBP)	1000ppm	added
10	Diisobutyl phthalate (DIBP)	1000ppm	added

3. Approach for new requirement

(1) Time Plan

Cosel will confirm the existence of 4 phthalates in the product and production process, and shall comply with the new Directive from July, 2018. (Excluded for particular product line, see 3.(2).)

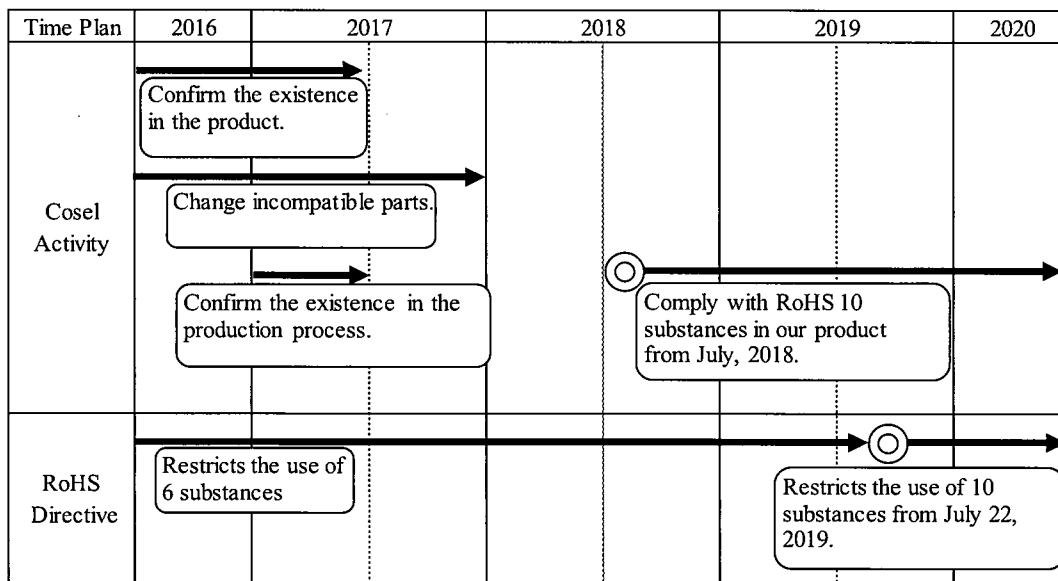


Fig.1 Time Plan

(2) Cosel's approach

We receive the request of Hazardous Substances non-use certification from our customer. Unfortunately, we are currently confirming the existence of additional four substances in the product or manufacturing processes, therefore we can not issue the certification.

However, we can provide the material contamination report, so please contact to our representatives. (If customer has own survey form, please send it to us.)

<Exceptional product line>

Please note that the following models are still containing 4 phthalates.

We will evaluate the alternative materials and change them.

- TAH series, TAC series, TBC series, FTA series, FTB series, TSC series and SPLFA series.

If you have any question, please contact to kankyo@cosel.co.jp.

Sincerely yours,

Mar. 27, 2017



Masahiro Miyamae

General Manager of Quality Management Dept.

Cosel Co., Ltd.