



December 13, 2011

Ref: Chemical Compliance of Halogen-free (HF) Products – REACH Update

Advanced Power Electronics Corporation is committed to the responsible use of materials in the manufacturing of its products, and confirms that all HF products which it supplies are compliant with the restrictions on substances listed in Annex XVII of REACH and that the fifty-three Substances of Very High Concern (SVHC) listed in the attached Table 1 are not present in any HF products produced by Advanced Power Electronics Corp.

Ralph Waggitt, President/CEO

Table 1

SVHC Substance Name	CAS Number	Date of Inclusion
1,2,3-Trichloropropane	96-18-4	6/20/2011
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	6/20/2011
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	6/20/2011
1-Methyl-2-pyrrolidone	872-50-4	6/20/2011
2-Ethoxyethyl acetate	111-15-9	6/20/2011
Cobalt dichloride	7646-79-9	6/20/2011
Hydrazine	302-01-2 / 7803-57-8	6/20/2011
Strontium chromate	6/2/7789	6/20/2011
2-Ethoxyethanol	110-80-5	12/15/2010
2-Methoxyethanol	109-86-4	12/15/2010
Acids generated from chromium trioxide and their oligomers Group containing: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	7738-94-5 13530-68-2 -	12/15/2010
Chromium trioxide	1333-82-0	12/15/2010
Cobalt(II) carbonate	513-79-1	12/15/2010
Cobalt(II) diacetate	71-48-7	12/15/2010
Cobalt(II) dinitrate	10141-05-6	12/15/2010
Cobalt(II) sulphate	10124-43-3	12/15/2010
Ammonium dichromate	9/5/7789	6/18/2010
Boric acid	10043-35-3 / 11113-50-1	6/18/2010
Disodium tetraborate, anhydrous	1303-96-4/ 1330-43-4/ 12179-04-3	6/18/2010
Potassium chromate	7789-00-6	6/18/2010
Potassium dichromate	7778-50-9	6/18/2010
Sodium chromate	11/3/7775	6/18/2010
Tetraboron disodium heptaoxide, hydrate	12267-73-1	6/18/2010
Trichloroethylene	79-01-6	6/18/2010
Acrylamide	79-06-1	3/30/2010
2,4-Dinitrotoluene	121-14-2	1/13/2010
Aluminosilicate Refractory Ceramic Fibres	Extracted from Index no.: 650-017-00-8	1/13/2010
Anthracene oil	90640-80-5	1/13/2010
Anthracene oil, anthracene paste	90640-81-6	1/13/2010
Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	1/13/2010
Anthracene oil, anthracene paste, distn. lights	91995-17-4	1/13/2010
Anthracene oil, anthracene-low	90640-82-7	1/13/2010
Diisobutyl phthalate	84-69-5	1/13/2010
Lead chromate	7758-97-6	1/13/2010
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	1/13/2010
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	1/13/2010
Pitch, coal tar, high temp.	65996-93-2	1/13/2010
Tris(2-chloroethyl)phosphate	115-96-8	1/13/2010
Zirconia Aluminosilicate Refractory Ceramic Fibres	Extracted from Index no. 650-017-00-8	1/13/2010
4,4'- Diaminodiphenylmethane (MDA)	101-77-9	10/28/2008
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	10/28/2008
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	10/28/2008
Anthracene	120-12-7	10/28/2008
Benzyl butyl phthalate (BBP)	85-68-7	10/28/2008
Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	10/28/2008
Bis(tributyltin)oxide (TBTO)	56-35-9	10/28/2008
Diarsenic pentaoxide	1303-28-2	10/28/2008
Diarsenic trioxide	1327-53-3	10/28/2008
Dibutyl phthalate (DBP)	84-74-2	10/28/2008
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:	25637-99-4 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	10/28/2008
Lead hydrogen arsenate	7784-40-9	10/28/2008
Sodium dichromate	7789-12-0/ 10588-01-9	10/28/2008
Triethyl arsenate	15606-95-8	10/28/2008