



EU REACH SVHC Statement

Date: December 19th, 2011

Dear Valued Customer:

European Union's (EU) REACH Regulation 1907/2006 (Registration, Evaluation, Authorization, and Restriction of Chemicals) has entered into force since June 1, 2007 and will be implemented step by step starting from June 1, 2008. As of December 19th, 2011 the Candidate List of "Substances of Very High Concern" (SVHC), includes the substances shown on the following page.

To the best of our knowledge, Thin Film Technology Corp product(s), as sold, do not contain any of the substances listed in the table on the following page.

Products Covered:

Product Type:	Series (first 2-4 digits of the MPN part numbers):
Chip Resistor	CR, EL, KL, PRL, RL, RN73, RR, RT
Chip Power Resistors	CFA, CPA
Chip Attenuator	PAT, ATT, ATV, HPA, RAT
Chip Inductor	HPL
Resistor Networks	B2, B4, BC, BR, BRA, RA, RN, RM, S1, S2, S3, S4, S6, SR
Power Splitters	PS
Electrical Filters	FL
Signal Integrity Products	EF, XO
Delay Lines	CL, DS, DL, HE, GL

For more detailed information regarding the REACH regulation, visit the ECHA website:

http://echa.europa.eu/home_en.asp

Sincerely,

Kevin Weber

Kevin Weber
Environmental Compliance Coordinator

Disclaimer:

Thin Film Technology Corp. has not conducted any independent research, testing or evaluation to confirm the accuracy or completeness of this information. Substance usage is based upon information gathered from Material Safety Data Sheets of our suppliers. Thin Film Technology Corp. has furnished this information in good faith at your request and cannot attest or certify to the accuracy or, completeness or uses to which such information may be put. No representation, warranty or guarantee, express or implied, is made with respect to such information or data and Thin Film Technology Corp., its employees, officers, directors, affiliates, successors and assigns assume no liability whatsoever for any damages, direct or indirect, known or unknown, resulting from misuse of, errors in or omissions from this information. This information is offered solely for your information and consideration and any user of the information assumes all responsibility and risk for use of or reliance upon such information. By its acceptance of this information, your Company, its affiliates, successors and assigns hereby forever waive any claims, known or unknown, against Thin Film Technology Corp., its employees, officers, directors, affiliates, successors or assigns for damages arising out of the use, inaccuracy or incompleteness of this information. If you require additional information, please contact your Thin Film Technology Corp. Sales or Customer Service Representative.



Substance of Very High Concern (SVHC) List

Name	CAS #	Date of Inclusion
4,4'- Diaminodiphenylmethane	101-77-9	28-Oct-2008
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	28-Oct-2008
Alkanes, C10-13,chloro (Short Chain Chlorinated paraffins)	85535-84-8	28-Oct-2008
Anthracene	120-12-7	28-Oct-2008
benzylbutylphthalate	85-68-7	28-Oct-2008
bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	28-Oct-2008
bis(tributyltin) oxide	56-35-9	28-Oct-2008
cobalt dichloride	7646-79-9	28-Oct-2008 20-Jun-2011
diarsenic pentaoxide	1303-28-2	28-Oct-2008
diarsenic trioxide	1327-53-3	28-Oct-2008
dibutylphthalate	84-74-2	28-Oct-2008
Hexabromocyclododecane (HBCDD)	25637-99-4, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8	28-Oct-2008
lead hydrogen arsenate	7784-40-9	28-Oct-2008
sodium dichromate, dihydrate	10588-01-9, 7789-12-0	28-Oct-2008
triethyl arsenate	15606-95-8	28-Oct-2008
2,4-Dinitrotoluene	121-14-2	13-Jan-2010
Aluminosilicate Refractory Ceramic Fibres (fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008 of the European Parliament)	Extracted from index 650-017- 00-8	13-Jan-2010
Anthracene oil	90640-80-5	13-Jan-2010
Anthracene oil, anthracene-low	90640-82-7	13-Jan-2010
Anthracene oil, anthracene paste	90640-81-6	13-Jan-2010
Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	13-Jan-2010
Anthracene oil, anthracene paste,distr. lights	91995-17-4	13-Jan-2010
Diisobutyl phthalate	84-69-5	13-Jan-2010
Lead chromate	7758-97-6	13-Jan-2010
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	13-Jan-2010
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	13-Jan-2010
Pitch, coal tar, high temp.	65996-93-2	13-Jan-2010
Tris(2-chloroethyl)phosphate	115-96-8	13-Jan-2010
Zirconia Aluminosilicate Refractory Ceramic Fibres (fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008 of the European Parliament)	Extracted from index 650-017- 00-8	13-Jan-2010
Acrylamide	79-06-1	30-Mar-2010

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Name	CAS #	Date of Inclusion
Sodium chromate	7775-11-3	18-Jun-2010
Potassium chromate	7789-00-6	18-Jun-2010
Ammonium dichromate	7789-09-5	18-Jun-2010
Potassium dichromate	7778-50-9	18-Jun-2010
Tetraboron disodium heptaoxide, hydrate	12267-73-1	18-Jun-2010
Disodium tetraborate, anhydrous	1330-43-4	18-Jun-2010
Boric acid	10043-35-3 11113-50-1	18-Jun-2010
Trichloroethylene	79-01-6	18-Jun-2010
Cobalt (di)acetate	71-48-7	15-Dec-2010
Cobalt (II) carbonate	513-79-1	15-Dec-2010
Cobalt dinitrate	10141-05-6	15-Dec-2010
Cobalt (II) sulphate	10124-43-3	15-Dec-2010
2-Ethoxyethanol	110-80-5	15-Dec-2010
2-Methoxyethanol	109-86-4	15-Dec-2010
Chromium trioxide	1333-82-0	15-Dec-2010
Acids generated from chromium trioxide and their oligomers proposed by Germany for their CMR properties, a group containing :- chromic acid dichromic acid oligomers of chromic acid and dichromic acid (CAS not assigned yet)	7738-94-5 13530-68-2	15-Dec-2010
2-ethoxyethyl acetate	111-15-9	20-Jun-2011
Strontium chromate	7789-06-2	20-Jun-2011
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	20-Jun-2011
Hydrazine CAS	7803-57-8 302-01-2	20-Jun-2011
1-methyl-2-pyrrolidone	872-50-4	20-Jun-2011
1,2,3-trichloropropane	202-486-1	20-Jun-2011
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	20-Jun-2011
Dichromium tris(chromate)	24613-89-6	19-Dec-2011
Potassium hydroxyoctaoxodizincatedi-chromate	11103-86-9	19-Dec-2011
Pentazinc chromate octahydroxide	49663-84-5	19-Dec-2011
Aluminosilicate Refractory Ceramic Fibres (RCF)	—	19-Dec-2011
Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	—	19-Dec-2011
Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	19-Dec-2011



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Name	CAS #	Date of Inclusion
Bis(2-methoxyethyl) phthalate	117-82-8	19-Dec-2011
2-Methoxyaniline; o-Anisidine	90-04-0	19-Dec-2011
4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	19-Dec-2011
1,2-Dichloroethane	107-06-2	19-Dec-2011
Bis(2-methoxyethyl) ether	111-96-6	19-Dec-2011
Arsenic acid	7778-39-4	19-Dec-2011
Calcium arsenate	7778-44-1	19-Dec-2011
Trilead diarsenate	3687-31-8	19-Dec-2011
N,N-dimethylacetamide (DMAC)	127-19-5	19-Dec-2011
2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	19-Dec-2011
Phenolphthalein	77-09-8	19-Dec-2011
Lead azide Lead diazide	13424-46-9	19-Dec-2011
Lead styphnate	15245-44-0	19-Dec-2011
Lead dipicrate	6477-64-1	19-Dec-2011