



Crystalfontz America, Inc.

Crystalfontz America, Inc.
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**RoHS
REACH:SVHC 15
ISO 9001:2008
and Specifications
Certificate of Compliance**

Date: 2012-02-07

**Crystalfontz Part
Number:** CFA533-TFH-KS, CFA533-TMI-KS, CFA533-YYH-KS

**Declared product
weight:** 41g (typical)

Crystalfontz America is committed to marketing environmentally friendly products. We work closely with our contract manufacturers and their suppliers to ensure that materials and components comply with the appropriate REACH and RoHS directives regarding usage of hazardous substances. To the best of our knowledge, all materials and components used in the manufacture of the product listed above are in compliance with the EU Directive 2002/95/EC for Restriction of Hazardous Substance (RoHS), and REACH EC/1097-2006 SVHC Annex 1 Declaration of Conformity to include ECHA List updated 2011-06-20.

Results of our product testing are listed on the following pages.

This product is manufactured by an ISO 9001:2008 certified supplier.

This product conforms with the specifications in the Crystalfontz Data Sheet for this part number.

Tim Martin
Compliance Specialist



Jean Agte
Chief Operations Officer



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Restricted RoHS Substances Declaration of Conformity

Restricted Substance	Homogeneous Material Threshold Level	Above Threshold Level	If Above Threshold, PPM present	Application Exempt under RoHS directive?*
Cadimuum and its compounds	0.01wt% (100 ppm) in homogenous materials	No	N / A	N / A
Lead and its compounds	0.1wt% (1000 ppm) in homogenous materials	No	N / A	N / A
Mercury and its compounds	0.1wt% (1000 ppm) in homogenous materials	No	N / A	N / A
Chromium VI and its compounds	0.1wt% (1000 ppm) in homogenous materials	No	N / A	N / A
Polybrominated biphenyls (PBBs)	0.1wt% (1000 ppm) in homogenous materials	No	N / A	N / A
Polybrominated diphenyl ethers (PBDEs)	0.1wt% (1000 ppm) in homogenous materials	No	N / A	N / A

* Exemptions listed in the Annex of the RoHS Directive (2002/95/EC) are acceptable



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**REACH EC/1097-2006 SVHC Annex 1 Declaration of Conformity
ECHA List updated 2011-06-20**

SVHC Reportable Substance	CAS Number	Article Threshold Level	Above Threshold Level	If Yes, weight and worst case PPM
*Diarsenic trioxide	1327-53-3	0.1wt% (1000 ppm)	No	mg
*1,2,3-Trichloropropane	202-486-196-18-4	0.1wt% (1000 ppm)	No	mg
*1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	276-158-171888-89-6	0.1wt% (1000 ppm)	No	mg
*1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-668515-42-4	0.1wt% (1000 ppm)	No	mg
*1-Methyl-2-pyrrolidone	212-828-1872-50-4	0.1wt% (1000 ppm)	No	mg
*2-Ethoxyethyl acetate	203-839-2111-15-9	0.1wt% (1000 ppm)	No	mg
*Dibutyl phthalate (DBP)	84-74-2	0.1wt% (1000 ppm)	No	mg
*Hydrazine	206-114-9302-01-2 / 7803-57-8	0.1wt% (1000 ppm)	No	mg
*Strontium chromate	232-142-67789-06-2	0.1wt% (1000 ppm)	No	mg
2,4-Dinitrotoluene	121-14-2	0.1wt% (1000 ppm)	No	mg
2-Ethoxyethyl	110-80-5	0.1wt% (1000 ppm)	No	mg
2-Methoxyethyl	109-86-4	0.1wt% (1000 ppm)	No	mg
4,4'- Diamidiphenylmethane (MDA)	101-77-9	0.1wt% (1000 ppm)	No	mg
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.1wt% (1000 ppm)	No	mg
Acrylamide	79-06-1	0.1wt% (1000 ppm)	No	mg
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.1wt% (1000 ppm)	No	mg
Alumisilicate, Refractory Ceramic Fibres	EC 650-017-00-8	0.1wt% (1000 ppm)	No	mg
Ammonium dichromate	9/5/7789	0.1wt% (1000 ppm)	No	mg
Anthracene	120-12-7	0.1wt% (1000 ppm)	No	mg
Anthracene oil	90640-80-5	0.1wt% (1000 ppm)	No	mg
Anthracene oil, anthracene paste	90640-81-6	0.1wt% (1000 ppm)	No	mg
Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	0.1wt% (1000 ppm)	No	mg



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Anthracene oil, anthracene paste, distn. Lights	91995-17-4	0.1wt% (1000 ppm)	No	mg
Anthracene oil, anthracene-low	90640-82-7	0.1wt% (1000 ppm)	No	mg
Benzyl butyl phthalate (BBP)	85-68-7	0.1wt% (1000 ppm)	No	mg
Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	0.1wt% (1000 ppm)	No	mg
Bis(tributyltin)oxide (TBTO)	56-35-9	0.1wt% (1000 ppm)	No	mg
Boric acid	10043-35-3	0.1wt% (1000 ppm)	No	mg
Chromic acid Dichromic acid	7738-94-5	0.1wt% (1000 ppm)	No	mg
Chromium trioxide	1333-82-0	0.1wt% (1000 ppm)	No	mg
Coal tar pitch, high temperature	65996-93-2	0.1wt% (1000 ppm)	No	mg
Cobalt dichloride	7646-79-9	0.1wt% (1000 ppm)	No	mg
Cobalt(II) carbonate	513-79-1	0.1wt% (1000 ppm)	No	mg
Cobalt(II) diacetate	71-48-7	0.1wt% (1000 ppm)	No	mg
Cobalt(II) dinitrate	10141-05-6	0.1wt% (1000 ppm)	No	mg
Cobalt(II) sulphate	10124-43-3	0.1wt% (1000 ppm)	No	mg
Diarsenic pentaoxide	1303-28-2	0.1wt% (1000 ppm)	No	mg
Diisobutyl phthalate	84-69-5	0.1wt% (1000 ppm)	No	mg
Disodium tetraborate, anhydrous	1303-96-4	0.1wt% (1000 ppm)	No	mg
Hexabromocyclododecane (HBCDD)	25637-99-4 or 3194-55-6	0.1wt% (1000 ppm)	No	mg
Lead chromate	7758-97-6	0.1wt% (1000 ppm)	No	mg
Lead chromate molybdate sulfate red	12656-85-8	0.1wt% (1000 ppm)	No	mg
Lead hydrogen arsenate	7784-40-9	0.1wt% (1000 ppm)	No	mg
Lead sulfochromate yellow	1344-37-2	0.1wt% (1000 ppm)	No	mg
Oligomers of chromic acid and dichromic acid	13530-68-2	0.1wt% (1000 ppm)	No	mg
Potassium chromate	7789-00-6	0.1wt% (1000 ppm)	No	mg
Potassium dichromate	7778-50-9	0.1wt% (1000 ppm)	No	mg
Sodium chromate	11/3/7775	0.1wt% (1000 ppm)	No	mg
Sodium dichromate	7789-12-0	0.1wt% (1000 ppm)	No	mg
Tetraboron disodium heptaoxide, hydrate	12267-73-1	0.1wt% (1000 ppm)	No	mg
Trichloroethylene	x79-01-06	0.1wt% (1000 ppm)	No	mg
Triethyl arsenate	15606-95-8	0.1wt% (1000 ppm)	No	mg
Tris(2-chloroethyl)phosphate	115-96-8	0.1wt% (1000 ppm)	No	mg
Zirconia Aluminisilicate, Refractory Ceramic Fibres	EC 650-017-00-8	0.1wt% (1000 ppm)	No	mg

* Items flagged are new to Crystalfontz America, Inc. requirements as of 2011-08-15 to include ECHA List updated 2011-06-20