

RoHS Certificate of Compliance

Hitachi Global Storage Technologies Product Family
As of January 4, 2012

The drives identified below are in compliance with the European Union Directive 2002/95/EC on the restriction of use of certain hazardous substances (“**RoHS Directive**”).

Based on information provided by our suppliers, Hitachi Global Storage Technologies designates the products listed below as **RoHS compliant** for orders based on or after the date of this certificate.

RoHS compliant means that:

- Our supplier has confirmed the compliance status of the relevant products to us.
- We have implemented rigorous processes to confirm and document this.
- We perform material content testing where appropriate.

Confirmation of compliance status by our suppliers is either because the products do not contain any of the restricted substances referred to in the European Union Commission Decision of August 18, 2005 (2005/618/EC) in connection with Articles 4 and 5 of the RoHS Directive in concentrations in excess of the values permitted hereunder or because removal of the restricted substances is not technically possible and their existence in the products at levels in excess of these concentrations is allowed as one of the particular applications listed in the Annex to the RoHS Directive, as amended by European Union Commission Decision 2010/571/EU.

For purposes of this RoHS Certificate, the maximum concentration values of the restricted substances by weight of homogeneous materials are:

- hexavalent chromium 1,000 ppm
- poly-brominated biphenyls (PBB's) 1,000 ppm
- poly-brominated diphenyl ethers (PBDE's) 1,000 ppm
- cadmium 100 ppm
- mercury 1,000 ppm
- lead 1,000 ppm

Table of RoHS compliant products is provided on the following pages. [Most recent additions are highlighted in blue.](#)

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CINEMASTAR PRODUCTS									
Family / Model Name	Model Number	Description	Mfg Date	RoHS Compliant PNs	RoHS Exemptions Applied				
CinemaStar 7K1000.D	HCS7210xxDLE630	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
CinemaStar 7K1000.C	HCS7210xxCLA3x2	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
CinemaStar 7K1000.B	HCT7210xxSLA3x0	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
CinemaStar 7K1000	HCS7210xxKLA330	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
CinemaStar P7K500	HCP7250xxGLAx80	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
CinemaStar 7K500	HCS7250xxVLAx80	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
CinemaStar 7K160	HCS7216xxPLAx0	3.5-inch hard disk drive	All	All	-	6c	7a	7c-I	-
CinemaStar 5K2000	HCS5C20xxALA632	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
CinemaStar 5K1000.B	HCS5C10xxDLE630	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
CinemaStar 5K1000	HCS5C10xxCLA382	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
CinemaStar 5K500	HCS545050GLA380	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
CinemaStar 5K320	HCS5C32xxSLA380	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
CinemaStar Z5K500	HCC5450xxA7E380	2.5-inch 7mm hard disk drive	All	All	6a	-	7a	7c-I	-
CinemaStar Z5K320	HCC5432xxA7A380	2.5-inch 7mm hard disk drive	All	All	6a	-	7a	7c-I	-
CinemaStar C5K750	HCC5475xxA9E380	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
CinemaStar C5K500	HCC5450xxB9A300	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
CinemaStar C5K320	HCC5432xxL9SA00	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
CinemaStar C5K250	HCC5425xxK9SA00	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	7c-III
CinemaStar C5K160	HCC5416xxJ9SA00	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	7c-III

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DESKSTAR PRODUCTS									
Family / Model Name	Model Number	Description	Mfg Date	RoHS Compliant PNs	RoHS Exemptions Applied				
Deskstar 7K4000	HDS724040ALE640	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Deskstar 7K3000	HDS7230xxxLA64x	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Deskstar 7K2000	HDS722020ALA330	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Deskstar 7K1000.D	HDS7210xxDLE630	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Deskstar 7K1000.C	HDS7210xxCLAxx2	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Deskstar 7K1000.B	HDT7210xxSLA3x0	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Deskstar 7K1000	HDS7210xxKLA330	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Deskstar E7K1000	HDE7210xxSLA330	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Deskstar E7K500	HDS725050KLA36x	3.5-inch hard disk drive	All	All	6a	6c	7a	7c-I	7c-III
Deskstar P7K500	HDP7250xxGLAxx0	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Deskstar T7K500	HDT7250xxVLAxx0	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Deskstar 7K500	HDS725050KLAT80	3.5-inch hard disk drive	All	All	6a	6c	7a	7c-I	7c-III
Deskstar 7K400	HDS724040KLxx80	3.5-inch hard disk drive	All after May, 2006.	All after May, 2006.	6a	6c	7a	7c-I	7c-III
Deskstar T7K250	HDT7225xxDLAxx80	3.5-inch hard disk drive	All after May, 2006	All after May, 2006	6a	6c	7a	7c-I	7c-III
Deskstar 7K250	HDS7225xxVLxxx0	3.5-inch hard disk drive	After May, 2006	AT: 0A31113, 0A31114, 0A31115, 0A31116, 0A31117, 0A31403, 0A31404, 0A31405, 0A31407, 0A31408, 0A31660, 0A31661, 0A31662 SA: 0A31123, 0A31124, 0A31125, 0A31410, 0A31411, 0A31412, 0A31413, 0A31750, 0A31751	6a	6c	7a	7c-I	7c-III
Deskstar 7K160	HDS7216xxPLAxx80	3.5-inch hard disk drive	All	All	-	6c	7a	7c-I	-
Deskstar 7K80	HDS7280xxPLAxx0	3.5-inch hard disk drive	All after May 2006	All after May, 2006	6a	6c	7a	7c-I	7c-III
Deskstar 5K4000	HDS5C4040ALE630	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Deskstar 5K3000	HDS5C30xxALA63x	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Deskstar 5K1000.B	HDS5C1010DLE630	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Deskstar 5K1000	HDS5C10xxCLA382	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-

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ENDURASTAR PRODUCTS									
Family / Model Name	Model Number	Description	Mfg Date	RoHS Compliant PNs	RoHS Exemptions Applied				
					6a	-	7a	7c-I	-
Endurastar J4K100	HEJ4210xxG9xx00	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Endurastar N4K100	HEN4210xxG9AT00	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Endurastar J4K50	HEJ4250xxF9AT00	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Endurastar N4K50	HEN4250xxF9AT00	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-

iVDR									
Family / Model Name	Model Number	Description	Mfg Date	RoHS Compliant PNs	RoHS Exemptions Applied				
					6a	-	7a	7c-I	-
iVDR	HHV5450xxB9SV0x	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
iVDR	HHV5432xxL9SV0x	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
iVDR	HHV5425xxK9SVxx	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
iVDR	HHV5416xxJ9SVxx	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
iVDR	HHD426030G7SV00	1.8-inch hard disk drive	All	All	6a	-	7a	7c-I	7c-III
iVDR	HHD424029F7SV00	1.8-inch hard disk drive	After April, 2005	After April, 2005	6a	-	7a	7c-I	7c-III

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TRAVELSTAR PRODUCTS									
Family / Model Name	Model Number	Description	Mfg Date	RoHS Compliant PNs	RoHS Exemptions Applied				
Travelstar Z7K320	HTx7232xxA7A36x	2.5-inch 7mm hard disk drive	All	All	6a	-	7a	7c-I	-
Travelstar Z5K500	HTx5450xxA7E38x	2.5-inch 7mm hard disk drive	All	All	6a	-	7a	7c-I	-
Travelstar Z5K320	HTx5432xxA7A38x	2.5-inch 7mm hard disk drive	All	All	6a	-	7a	7c-I	-
Travelstar 7K750	HTx7275xxA9E36x	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Travelstar 7K500	HTx7250xxA9A36x	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Travelstar 7K320	HTx7232xxL9xxxx	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Travelstar 7K200	HTS7220xxK9xx00	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	7c-III
Travelstar 7K100	HTS7210xxG9xx00	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	7c-III
Travelstar 5K1000	HTx5410xxA9E68x	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Travelstar 5K750	HTx5475xxA9E38x	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Travelstar 5K500.B	HTx5450xxB9A30x	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Travelstar 5K500	HTS5450xxKTxx0x	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Travelstar 5K320	HTx5432xxL9xx0x	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Travelstar 5K250	HTS5425xxK9xx00	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	7c-III
Travelstar 5K160	HTS5416xxJ9xx00	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	7c-III
Travelstar 5K120	HTS5412xxH9xx00	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	7c-III
Travelstar 5K100	HTS5410xxG9xx00	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	7c-III
Travelstar 4K120	HTS4212xxH9AT00	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	7c-III
Travelstar 4K40	HTS4240xxM9AT00	2.5-inch hard disk drive	After April, 2005	0A25590, 0A25591, 0A25592	6a	-	7a	7c-I	7c-III
Travelstar E7K200	HTE7220xxK9A300	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	7c-III
Travelstar E7K100	HTE7210x0G9xx00	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	7c-III
Travelstar E5K500	HTE5450xxKTA300	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Travelstar E5K250	HTE5425xxK9A300	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	7c-III
Travelstar E5K160	HTE5416xxJ9xx00	2.5-inch hard disk drive	All	All	6a	-	7a	7c-I	7c-III
Travelstar C4K60 slim	HTC4260xxGxCE00	1.8-inch hard disk drive	All	All	6a	-	7a	7c-I	7c-III
Travelstar C4K60	HTC4260xxGxAT00	1.8-inch hard disk drive	All	All	6a	-	7a	7c-I	7c-III
Travelstar C4K60	HTC4260xxG7CEx0	1.8-inch hard disk drive	All	All	6a	-	7a	7c-I	7c-III
Travelstar C3K80	HTC3680xxHxCE00	1.8-inch hard disk drive	All	All	6a	-	7a	7c-I	7c-III

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Ultrastar Products									
Family / Model Name	Model Number	Description	Mfg Date	RoHS Compliant PNs	RoHS Exemptions Applied				
Ultrastar SSD400M	HUSML40xxASS60x	MLC NAND solid state drive	All	All	-	-	7a	7c-I	-
Ultrastar SSD400S	HUSSL40xxAxxx00	SLC NAND solid state drive	All	All	-	-	7a	7c-I	-
Ultrastar 15K600	HUS1560xxVLxx0x	3.5-inch hard disk drive	All	All	6a	6c	7a	7c-I	-
Ultrastar 15K450	HUS1545xxVLxx00	3.5-inch hard disk drive	All	All	6a	6c	7a	7c-I	7c-III
Ultrastar 15K300	HUS1530xxVLxx00	3.5-inch hard disk drive	All	All	6a	6c	7a	7c-I	7c-III
Ultrastar 15K147	HUS1514xxVLxx00	3.5-inch hard disk drive	All - 4G FC, All - SAS	0B21252, 0B21253, 0B21254, 0B21268, 0B21269, 0B21270	6a	6c	7a	7c-I	7c-III
Ultrastar 10K300	HUS1030xxFLxxx0	3.5-inch hard disk drive	After April, 2005	17R6380, 17R6381, 17R6382, 17R6389, 17R6390, 17R6391, 17R6392, 17R6393, 17R6394	6a	6c	7a	7c-I	7c-III
Ultrastar 7K3000	HUx7230xxALx64x	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Ultrastar A7K2000	HUA7220xxxLA33x	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Ultrastar A7K1000	HUA7210xxKLA330	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Ultrastar 5K3000	HUA5C30xxALA64x	3.5-inch hard disk drive	All	All	6a	-	7a	7c-I	-
Ultrastar C15K147	HUC1514xxCSS60x	2.5-inch hard disk drive	All	All	6a	6c	7a	7c-I	-
Ultrastar C10K900	HUC1090xxCSS60x	2.5-inch hard disk drive	All	All	6a	6c	7a	7c-I	-
Ultrastar C10K600	HUC1060xxCSS60x	2.5-inch hard disk drive	All	All	6a	6c	7a	7c-I	-
Ultrastar C10K300	HUC1030xxCSS60x	2.5-inch hard disk drive	All	All	6a	6c	7a	7c-I	-
Ultrastar C10K147	HUC1014xxCSS300	2.5-inch hard disk drive	All	All	6a	6c	7a	7c-I	7c-III

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