Material Safety Data Sheet

Product Name: DVD+Rerecordable Disc

November 16, 2003

Issued by:
Hitachi Maxell, Ltd.
Information Media Division
6139-1 Ohnogo,
Mitsukaido, Ibaraki 300-2595 JAPAN

maxell

REVISION	REVISION HISTORY	DATE	INIT
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PREPARED BY: H. Obara	APPROVED BY: H. Watanabe	AUTHORIZED BY: H. Watanabe

Section 1: Product and Company Identification

Product Description:	DVD+Rerecordable Disc (4.7GB DVD+RW)
Manufacturer:	Hitachi Maxell, Ltd.
Address:	6139-1 Ohnogo, Mitsukaido, Ibaraki 300-2595 JAPAN
Phone / Fax:	+81-297-24-1111 / +81-297-24-1135
Representative in US:	Maxell Corporation of America
Address:	22-08 Route 208, Fair Lawn, New Jersey 07410 USA
Phone / Fax:	+1-201-794-5900 / +1-201-796-8790
Representative in Europe:	Maxell Europe, Ltd.
Address:	Multimedia House, High Street, Rickmansworth, Hertfordshaire, WD3 1HR, United Kingdom
Phone / Fax:	+44-1923-33-1000 / +44-1923-33-1010

Section 2: Material Identification and Information

The structure of DVD+RW is shown in Figure 1. The product has two key components; a disk and a cartridge. In the figure, the disk and cartridge has been further broken down to components by manufacturing processes and/or their functions. The name of materials and their content per product are listed in Table 1 below.

Table 1 Materials used for DVD+RW

Component	Material	Content (g)	% (by weight)
(1) Substrate	Polycarbonate compound	~17.0	~95
(2) Recording layer	ZnS, SiO_2, , Ag,, Sb, Te, In, Al, etc	~0.03	~1
(3) Protective layer/ Adhesive layer	UV curable resin (preparation)	~0.80	~5
(4) Printing layer	UV curable screen ink (preparation)	~0.25	~2

Section 3: Hazardous Identification

Considering the structure of the product and the content of each material per product, no physical and health hazardous conditions shall occur under normal use condition, even though some precautions for some raw materials are necessary.
Following sections (Section 4 to 9) are described for the product, not for each raw material used for the product.

Section 4: Physical and Chemical Characteristics

Boiling Point	N.A.(*)	Specific Gravity (H_2O = 1)	N.A.
Vapor Pressure	N.A.	Melting Point	N.A.
Vapor Density (Air = 1)	N.A.	Evaporation Rate	N.A.
Solubility in Water	Insoluble	Water Reactive	N.A.
Appearance and Odor	Solid; No odor		

(*) Not applicable

Section 5: Health Hazard Data

Primary Route of Entry	N.A.
Health Hazards (Acute and Chronic)	None
Carcinogen Listed in	Not Listed
Signs and Symptoms of Exposure	No effects
Medical Conditions / Generally Aggravated by Exposure	N.A.
EMERGENCY FIRST AID PROCEDURES	
Eye Contact	Flush eyes with water without rubbing if contact with its fumes.
Skin Contact	Wash affected areas with soap and water if contact with its fumes.
Inhalation	Breath fresh air if inhale fumes. Have medical assistance if breathing is difficult.
Ingestion	Take medical assistance if considerable amounts of the product are ingested.

Section 6: Fire and Explosion Hazard Data

Flash Point (Method Used)	N.A.				
Flammable Limits	N.A.	LEL	N.A.	UEL	N.A.
Extinguisher Media	Dry chemical or water.				
Special Fire Fighting Procedures	Burning product may create a black and sooty smoke of uncertain hazard and composition. Wear appropriate respiratory protection for toxic and irritating gases and aerosols generated by thermal decomposition.				
Unusual Fire and Explosion Hazards	No explosion hazard. Fire hazard is similar to that of other solid volatile organic materials.				

Section 7: Reactivity Hazard Data

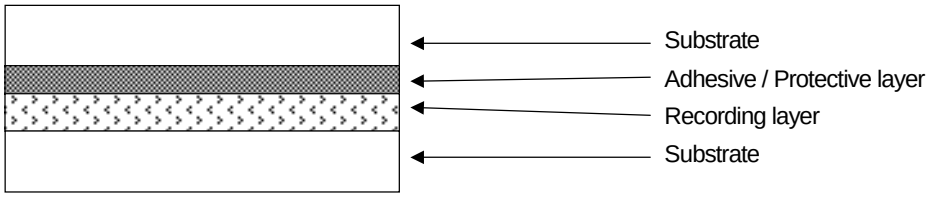
Stability	Stable	Conditions to Avoid	N.A.
Incompatibility (Materials to Avoid)	None		
Hazardous Decomposition Products	Gases generated by burning are carbon monoxide and/or carbon dioxide.		
Hazardous Polymerization	Will not occur	Conditions to Avoid	N.A.

Section 8: Precautions for Use, Handling and Storage

Steps to be taken if material is spilled or released	N.A.
Waste Disposal Methods	Disposal must be in accordance with applicable federal, state and local laws and regulations.
Precautions to be taken in handling and storage	None
Other precautions and/or special hazards	N.A.

Section 9: Control and Protective Measures

Respiratory Protection (Specify Type)	Not required
Protective Groves	Not required
Eye Protection	Not required
Ventilation to be used	
Local Exhaust	Not required
Mechanical (General)	Not required
Special	None
Other (Specify)	None
Other Protective Clothing and Equipment	Not required
Hygienic Work Practice	Not required



(Cross-sectional view)

Figure 1 Structure of DVD+RW

Disclaimer

It is Maxell's belief that information set forth in these Material Safety Date Sheets is accurate.

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