

**Material Safety Data Sheet**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910, 1200. Standard must be consulted for specific requirements.

**U. S. Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

Identity (As Used on Label and List): Restorer DVD & CD - 338 & DVD & CD - 335 - Step 2  
Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that

**Section I**

Manufacturer's Name Maxell Corporation of America	Emergency Telephone Number (800) 533-2836
Address (Number, Street, City, State and ZIP Code) 22-08 Route 208 Fair Lawn, NJ 07410	Telephone Number for Information (201) 794-5925
	Date Prepared 4/9/04
	Signature of Preparer (optional)

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Isopropyl Alcohol	Not Applicable	Proprietary		

**Section III - Physical/Chemical Characteristics**

Boiling Point	212 f	Specific Gravity (H <sub>2</sub> O = 1)	.99
Vapor Pressure (mm Hg.)	32.8	Melting Point	Below 32 f
Vapor Density (AIR = 1)	>1	Evaporation Rate (Butyl Acetate = 1)	<1
Solubility in Water	Complete		
Appearance and Odor	Milky blue/solvent odor		

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used) F' Greater than 150 TOC	Flammable Limits	LEL Not known NA	UEL Not known NA
Extinguishing Media Foam, CO2, Dry Chemical, Water fog			
Special Fire Fighting Procedures Wear protective clothing and breathing apparatus.			

Unusual Fire and Explosion Hazards  
Vapors may be ignited by heat, sparks or flame. Vapors are heavier than air and may travel along floor to source of ignition. Intense heat can melt or rupture containers.

### Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	Heat, sparks, flames
Incompatibility (Materials to Avoid) Acids, oxidizers.			
Hazardous Decomposition of Byproducts Carbon monoxide			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

### Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion
	X	X	X
Health Hazards (Acute and Chronic) Direct contact can irritate eyes. Prolonged and repeated contact can cause dryness and irritation of skin. Under normal use inhalation is not a problem. High vapor concentrations can irritate respiratory tract. If ingested, may cause nausea, vomiting, or abdominal pain.			

Carcinogenicity:	NPT?	ARC Monographs?	OSHA Regulated?
	None	None	None

Signs and Symptoms of Exposure  
No known chronic health effects. Avoid unnecessary exposure.

Medical Conditions  
Generally Aggravated by Exposure None known.

Emergency and First Aid Procedures  
Eye Contact: Immediately flush with water for 15 minutes while holding eyelids apart. Obtain medical attention if irritation develops. Skin Contact: Wash with soap and water and obtain medical attention if irritation develops. Inhalation: Remove to fresh air. Monitor breathing and obtain medical attention. Ingestion: If conscious, drink water, induce vomiting and get medical attention. An unconscious person should immediately be taken to a doctor. Never give an unconscious or convulsing person anything to drink.

### Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled  
Small spills - Mop up. Large spills - Eliminate all ignition sources. Keep out of drains, sewers or waterways. Absorb with organic absorbent. Shovel into container and cover. Notify appropriate state/local agencies for large spills.

Waste Disposal Method  
In accordance with applicable local, state and federal regulations.

Precautions to Be Taken in Handling and Storing  
Normal care in handling and storage. Keep from freezing.

Other Precautions  
Keep out of reach of children. Mix only with water. Keep away from heat, sparks, or other ignition sources. Store in cool area

### Section VII - Control Measures

Respiratory Protection (Specify Type) Not required.		
Ventilation	Local Exhaust	Not required.
	Mechanical (General)	Sufficient
	Special	Not required.
	Other	Not required.
Protective Gloves Rubber	Eye Protection Safety Glasses	
Other Protective Clothing or Equipment None. Wash contaminated clothing before reuse.		
Work/Hygienic Practices Avoid breathing spray mist.		

**MATERIAL SAFETY DATA SHEET -**

CD-333

<b>SECTION I</b>	<b>PRODUCT IDENTIFICATION:</b>			
	Product Name:	Gladiator CD Restorer	DOT Proper Shipping Name:	Compound Cleaning Liquid
	Formula Type:	Blended Liquid - Solvent System		
<b>SECTION II</b>	<b>HAZARDOUS INGREDIENTS:</b>			
	<u>Name</u>	<u>C.A.S. No.</u>	<u>%</u>	<u>Exposure Limit</u>
	Isopropyl Alcohol	67-63-0	1-3	400 ppm PEL & TLV; 500 ppm TLV/STEL
<b>SECTION III</b>	<b>PHYSICAL DATA</b>			
	Appearance/Odor:	Milky blue/solvent odor	Solubility in Water: complete	Evaporation Rate (butyl acetate=1): < 1
	Specific Gravity:	.99	pH: 8	Vapor Pressure (mm HG): 32.8
	% Evaporation by Volume:	100	Boiling Point (F°): approximately 212	Vapor Density (air=1): > 1
<b>SECTION IV</b>	<b>FIRE AND EXPLOSION INFORMATION:</b>			
	Flashpoint (F°) (Method Used):	Greater than 150 TOC		
	Extinguishing media:	XX foam	XX CO <sub>2</sub>	XX dry chemical
				XX water fog
	Special fire fighting procedures:	Wear protective clothing and breathing apparatus.		
	Unusual fire and explosion hazard:	Vapors may be ignited by heat, sparks or flame. Vapors are heavier than air and may travel along floor to source of ignition. Intense heat can melt or rupture containers.		
<b>SECTION V</b>	<b>HEALTH HAZARD DATA - Primary routes of entry: Eyes, skin, ingestion.</b>			
	Signs and symptoms -			
	Eye Contact:	Direct contact can irritate eyes.		
	Skin Contact:	Prolonged and repeated contact can cause dryness and irritation.		
	Inhalation:	Under normal use conditions, not a problem. High vapor concentrations can irritate respiratory tract.		
	Ingestion:	Causes nausea, vomiting, abdominal pain.		
	<b>FIRST AID PROCEDURES -</b>			
	Eye Contact:	Immediately flush with water for 15 minutes while holding eyelids apart. Obtain medical attention if irritation develops.		
	Skin Contact:	Wash with soap and water. Obtain medical attention if irritation develops.		
	Inhalation:	Remove to fresh air. Monitor breathing. Obtain medical attention.		
	Ingestion:	If conscious, drink water, induce vomiting and get medical attention. An unconscious person should immediately be taken to a doctor. Never give an unconscious or convulsing person anything to drink.		
<b>SECTION VI</b>	<b>REACTIVITY DATA -</b>			
	Stability:	Stable. CONDITIONS TO AVOID: Heat, sparks, flames.		
	Incompatibility (materials to avoid):	Acids, oxidizers.		
	Hazardous decomposition products:	Carbon monoxide.		
	Hazardous polymerization:	Will not occur.		
<b>SECTION VII</b>	<b>SPILL LEAK PROCEDURES -</b>			
	Steps to be taken in case material is released or spilled: SMALL SPILLS: Mop up. LARGE SPILLS: Eliminate all ignition sources. Keep out of drains, sewers or waterways. Absorb with organic absorbent. Shovel into container and cover. Notify appropriate state/local agencies for large spills.			
	Waste disposal information:	Dispose of in accordance with all local, state, county and federal regulations.		
<b>SECTION VIII</b>	<b>SPECIAL PROTECTION INFORMATION -</b>			
	Respiratory Protection:	Should not be necessary under normal handling conditions and ventilation. If necessary wear approved NIOSH respirator for organic vapors.		
	Ventilation:	General mechanical or local.		
	Protective gloves:	Advised if there is repeated or prolonged skin contact.		
	Eye Protection:	Recommended if there is possibility of eye contact.		
	Other protective measures:			
<b>SECTION IX</b>	<b>SPECIAL PRECAUTIONS -</b>			
	Handling and Storage: Keep container closed when not in use. For industrial and institutional use only. Keep out of reach of children. Mix only with water. Keep away from heat, sparks or other ignition sources. Store in cool area. OTHER PRECAUTIONS: Wash contaminated clothing before reuse.			
<b>SECTION X</b>	<b>TOXICITY DATA -</b>			
	This product does not contain ingredients considered to be carcinogens by the NTP, IARC or OSHA.			
<b>SECTION XI</b>	<b>HAZARD RATING - 0 = MINIMAL 1 = SLIGHT 2 = MODERATE 3 = SERIOUS 4 = SEVERE</b>			
	Health: 1	Reactivity: 0	Fire: 1	Special:
<b>SECTION XII</b>	<b>REGULATORY INFORMATION -</b>			
<b>SECTION XIII</b>	<b>DOCUMENTARY INFORMATION -</b>			
	Date issued: 12-9-97	Supersedes: 6-9-94	Reason for update: review	
	The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.			

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MAXELL CORPORATION OF AMERICA

22-08 ROUTE 208, FAIR LAWN, NEW JERSEY 07410 FAX: (201) 796-8790

DVD+ CD-338 e<sub>1</sub>

DVD+ CD-335 (step 2 CDXII)

**MATERIAL SAFETY DATA SHEET -**

**SECTION I PRODUCT IDENTIFICATION -**  
 Product Name: Gladiator CD Restorer DOT Proper Shipping Name: Compound Cleaning Liquid  
 Formula Type: Blended Liquid - Solvent System

**SECTION II HAZARDOUS INGREDIENTS -**

Name	C.A.S. No.	%	Exposure Limit
Isopropyl Alcohol	67-63-0	1-3	400 ppm PEL & TLV; 500 ppm TLV/STEL

**SECTION III PHYSICAL DATA**

Appearance/Odor:	Milky blue/solvent odor	Solubility in Water:	complete	Evaporation Rate (butyl acetate=1):	< 1
Specific Gravity:	.99	pH:	8	Vapor Pressure (mm HG):	32.8
% Evaporation by Volume:	100	Boiling Point (F°):	approximately 212	Vapor Density (air=1):	> 1

**SECTION IV FIRE AND EXPLOSION INFORMATION -**  
 Flashpoint (F°) (Method Used): Greater than 150 TOC  
 Extinguishing media: XX foam XX CO<sub>2</sub> XX dry chemical XX water fog        other        not applicable  
 Special fire fighting procedures:        Wear protective clothing and breathing apparatus.  
 Unusual fire and explosion hazard:        Vapors may be ignited by heat, sparks or flame. Vapors are heavier than air and may travel along floor to source of ignition. Intense heat can melt or rupture containers.

**SECTION V HEALTH HAZARD DATA -** Primary routes of entry: Eyes, skin, ingestion.  
 Signs and symptoms -  
 Eye Contact: Direct contact can irritate eyes.  
 Skin Contact: Prolonged and repeated contact can cause dryness and irritation.  
 Inhalation: Under normal use conditions, not a problem. High vapor concentrations can irritate respiratory tract.  
 Ingestion: Causes nausea, vomiting, abdominal pain.

**FIRST AID PROCEDURES -**

Eye Contact: Immediately flush with water for 15 minutes while holding eyelids apart. Obtain medical attention if irritation develops.  
 Skin Contact: Wash with soap and water. Obtain medical attention if irritation develops.  
 Inhalation: Remove to fresh air. Monitor breathing. Obtain medical attention.  
 Ingestion: If conscious, drink water, induce vomiting and get medical attention. An unconscious person should immediately be taken to a doctor. Never give an unconscious or convulsing person anything to drink.

**SECTION VI REACTIVITY DATA -**

Stability: Stable. CONDITIONS TO AVOID: Heat, sparks, flames.  
 Incompatibility (materials to avoid): Acids, oxidizers.  
 Hazardous decomposition products: Carbon monoxide.  
 Hazardous polymerization: Will not occur.

**SECTION VII SPILL LEAK PROCEDURES -**

Steps to be taken in case material is released or spilled: SMALL SPILLS: Mop up. LARGE SPILLS: Eliminate all ignition sources. Keep out of drains, sewers or waterways. Absorb with organic absorbent. Shovel into container and cover. Notify appropriate state/local agencies for large spills.  
 Waste disposal information: Dispose of in accordance with all local, state, county and federal regulations.

**SECTION VIII SPECIAL PROTECTION INFORMATION -**

Respiratory Protection: Should not be necessary under normal handling conditions and ventilation. If necessary wear approved NIOSH respirator for organic vapors.  
 Ventilation: General mechanical or local.  
 Protective gloves: Advised if there is repeated or prolonged skin contact.  
 Eye Protection: Recommended if there is possibility of eye contact.  
 Other protective measures:

**SECTION IX SPECIAL PRECAUTIONS -**

Handling and Storage: Keep container closed when not in use. For industrial and institutional use only. Keep out of reach of children. Mix only with water. Keep away from heat, sparks or other ignition sources. Store in cool area. OTHER PRECAUTIONS: Wash contaminated clothing before reuse.

**SECTION X TOXICITY DATA -**

This product does not contain ingredients considered to be carcinogens by the NTP, IARC or OSHA.

**SECTION XI HAZARD RATING - 0 = MINIMAL 1 = SLIGHT 2 = MODERATE 3 = SERIOUS 4 = SEVERE**

Health: 1      Reactivity: 0      Fire: 1      Special:

**SECTION XII REGULATORY INFORMATION -****SECTION XIII DOCUMENTARY INFORMATION -**

Date issued: 12-9-97      Supercedes: 6-9-94      Reason for update: review

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