

AZURADISC®

MICRO RESURFACING TECHNOLOGIES

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Micro Polish Formula 1



Issue Date: 07/08/2009

Product Use:

Intended Use: Clean & Repairing CD's & DVD's

SECTION 2: INGREDIENTS

Ingredient	C.A.S. No.	% by Wt
WATER	7732-18-5	40 - 70
DISTILLATES (PETROLEUM), ACID TREATED, LIGHT	64742-14-9	7 - 13
ALUMINUM OXIDE	1344-28-1	5 - 10
HYDROTREATED LIGHT PETROLEUM DISTILLATES	64742-47-8	3 - 7
DECAMETHYLCYCLOPENTASILOXANE 541-02-6 3 - 7		
DODECAMETHYLCYCLOHEXASILOXANE 540-97-6 1 - 5		
ALUMINUM SILICATE CLAY (CERAMIC MATERIALS AND WARES) 66402-68-4 1 - 5		

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW Specific Physical

Form: Emulsion

Odor, Color, Grade: Slight solvent odor, grey liquid General Physical

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Form: Liquid

Immediate health, physical, and environmental hazards:

Combustible liquid and vapor. Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back. May cause target organ effects.

3.2 POTENTIAL HEALTH EFFECTS

Eye Contact:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Skin Contact:

Moderate Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Prolonged or repeated exposure may cause:

Pneumoconiosis: Sign/symptoms may include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests.

May be absorbed following inhalation and cause target organ effects.

Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

May be absorbed following ingestion and cause target organ effects.

Target Organ Effects:

Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea,

Slowed reaction time, slurred speech, giddiness, and unconsciousness.

SECTION 4: FIRST AID MEASURES

4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact: Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.



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Skin Contact: Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Inhalation: Remove person to fresh air. If signs/symptoms develop, get medical attention.

If Swallowed: Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

SECTION 5: FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES Auto ignition

temperature No Data Available

Flash Point 170 °F [Test Method: Closed Cup] Flammable Limits -

LEL No Data Available Flammable Limits - UEL No Data Available

5.2 EXTINGUISHING MEDIA

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

5.3 PROTECTION OF FIRE FIGHTERS

Special Fire Fighting Procedures: Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

Unusual Fire and Explosion Hazards: Combustible liquid and vapor. Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Observe precautions from other sections. Call AZURADISC

(480-827-8786) for more information on handling and managing the spill. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Contain spill. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Clean up residue with detergent and water. Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.

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SECTION 7: HANDLING AND STORAGE

7.1 HANDLING

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. Avoid breathing of vapors, mists or spray. Keep out of the reach of children. Avoid contact with oxidizing agents. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment.

7.2 STORAGE

Store away from acids. Store away from heat. Store out of direct sunlight. Store away from oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS

Use with appropriate local exhaust ventilation. Use in a well-ventilated area.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection

Avoid eye contact.

The following eye protection(s) are recommended: Safety Glasses with side shields, Indirect Vented Goggles.

8.2.2 Skin Protection

Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with

Your glove and/or protective clothing manufacturer for selection of appropriate compatible materials. Gloves made from the following material(s) are recommended: Nitrile Rubber.

8.2.3 Respiratory Protection

Avoid breathing of vapors, mists or spray.

Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half face piece or full-face air-purifying respirator with organic vapor cartridges and P100 particulate pre filters.

8.2.4 Prevention of Swallowing

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Do not ingest.

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8.3 EXPOSURE GUIDELINES

Ingredient	Authority	Type	Limit	Additional Information
ALUMINUM OXIDE	ACGIH	TWA, particulate matter, < 1% crystalline silica	10 mg/m3	Table A4
ALUMINUM OXIDE	CMRG	TWA	1 fiber/cc	Table Z-1
ALUMINUM OXIDE	OSHA	TWA, Respirable	5 mg/m3	
ALUMINUM OXIDE	OSHA	TWA, Vacated, as dust	10 mg/m3	
ALUMINUM OXIDE	OSHA	TWA, as total dust	15 mg/m3	Table Z-1
DECAMETHYLCYCLOPENTASILOXANE	CMRG	TWA	10 ppm	
HYDROTREATED LIGHT PETROLEUM DISTILLATES	CMRG	TWA	300 ppm	
OIL MIST, MINERAL	ACGIH	TWA, as mist	5 mg/m3	
OIL MIST, MINERAL	ACGIH	STEL, as mist	10 mg/m3	
OIL MIST, MINERAL	OSHA	TWA, as mist	5 mg/m3	Table Z-1

VAC Vacated PEL: Vacated Permissible Exposure Limits [PEL] are enforced as the OSHA PEL in some states. Check with your local regulatory agency.

SOURCE OF EXPOSURE LIMIT DATA:
 ACGIH: American Conference of Governmental Industrial Hygienists
 CMRG: Chemical Manufacturer Recommended Guideline

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OSHA: Occupational Safety and Health Administration

AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL) SECTION 9: PHYSICAL AND

CHEMICAL PROPERTIES

Specific Physical Form: Emulsion

Odor, Color, Grade: Slight solvent odor, grey liquid General

Physical Form: Liquid

Auto ignition temperature No Data Available Flash Point

170 °F [Test Method: Closed Cup] Flammable Limits - LEL

No Data Available Flammable Limits - UEL No Data Available

Boiling point 375 °F

Density 8.12 lb/gal

Vapor Density No Data Available Vapor

Pressure No Data Available

Specific Gravity 0.96 [Ref Std: WATER=1] pH 7.5 - 8.5

Melting point Not Applicable

Solubility in Water Negligible

Hazardous Air Pollutants 0.00072 lb HAPS/gal

Volatile Organic Compounds 14.66 % [Test Method: calculated SCAQMD rule 443.1] [Details: excluding exempt compounds]

Volatile Organic Compounds 140.95 g/l [Test Method: calculated SCAQMD rule 443.1] [Details: excluding exempt compounds]

VOC Less H₂O & Exempt Solvents 396.31 g/l [Test Method: calculated SCAQMD rule 443.1] Viscosity 8000 - 14000 centipoise

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to Avoid: None known

Hazardous Polymerization: Hazardous polymerization will not occur. Hazardous Decomposition or By-Products

Substance Condition Formaldehyde during combustion

Carbon monoxide During Combustion Carbon dioxide During Combustion Oxides of Nitrogen during Combustion

SECTION 11: TOXICOLOGICAL INFORMATION

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Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

Not determined.

CHEMICAL FATE INFORMATION

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Incinerate in an industrial or commercial facility. As a disposal alternative, dispose of waste product in a Facility permitted to accept chemical waste.

EPA Hazardous Waste Number (RCRA): Not regulated

Since regulations vary, consult applicable regulations or authorities before disposal.

SECTION 14: TRANSPORT INFORMATION

ID Number(s):

60-4100-0962-9, 60-4100-0973-6, 60-4400-9509-3, 60-4400-9520-0

Please contact the emergency numbers listed on the first page of the MSDS for Transportation information for this material.

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

Contact Azuradisc for more information.

311/312 Hazard Categories:

Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - No

STATE REGULATIONS

Contact Azuradisc for more information.

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CHEMICAL INVENTORIES

The components of this product are in compliance with the chemical notification requirements of TSCA. All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS. Contact Azuradisc for more information.

INTERNATIONAL REGULATIONS

Contact Azuradisc for more information.

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION

NFPA Hazard Classification

Health: 1 Flammability: 2 Reactivity: 0 Special Hazards: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

HMIS Hazard Classification

Health: 1 Flammability: 1 Reactivity: 0 Protection: X - See PPE section.

Hazardous Material Identification System (HMIS(r)) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS(r) ratings are to be used with a fully implemented HMIS(r) program. HMIS(r) is a registered mark of the National Paint and Coatings Association (NPCA).



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Revision Changes:

Section 15: 311/312 Delayed Hazard score was modified. Section 2: Ingredient table was modified.

Section 15: California proposition 65 ingredient information was deleted. Section 15: California proposition 65 heading was deleted.

Section 15: California proposition 65 cancer warning was deleted. Section 1: Product name was modified.

Section 1: Product use information was modified.

Section 16: HMIS hazard classification heading was added. Section 16: HMIS hazard classification for health was added. Section 16: HMIS hazard classification for flammability was added.

Section 16: HMIS hazard classification for reactivity was added. Section 16: HMIS hazard classification for protection was added. Copyright was modified.

Section 3: Potential effects from eye contact was modified.

Section 3: Potential effects from skin contact information was modified. Section 3: Potential effects from inhalation information was modified.

Section 8: Engineering controls information was modified. Section 8: Skin protection phrase was modified.

Section 8: Prevention of swallowing information was modified.

Section 8: Skin protection - recommended gloves information was added. Section 4: First aid for skin contact - termination of exposure - was added. Section 4: First aid for skin contact - decontamination - was modified.

Section 4: First aid for skin contact - medical assistance - was modified. Section 4: First aid for skin contact - handling - was added.

Section 8: Skin protection - recommended gloves text was added. Section 16: HMIS explanation was added.

Page Heading: Product name was modified. Section 15: Inventories information was modified.

Section 9: Property description for optional properties was modified. Section 8: Skin protection - protective clothing text was added.

Section 8: Skin protection - recommended gloves - punctuation was added. Section 14: ID Number Heading Template 1 was added.

Section 14: ID Number(s) Template 1 was added.

Section 8: Exposure guidelines ingredient information was added. Section 8: Exposure guidelines legend was added.

Section 8: Exposure guidelines data source legend was added.

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