

MATERIAL SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: PoliCool v3

Synonyms: MP-1; MP-2; MP-3; DP-1; DP-2; DP-3; DP-6, DP-8, MP series and DP series

Manufacturer Name:

Azuradisc Inc.

2885 N. Nevada St. Suite #140

Chandler, AZ 85225

Telephone: 480-827-8786

Emergency Telephone:

1-800-933-4923

Intended Use: Polish

2 HAZARDS IDENTIFICATION

Emergency Overview

Physical State: Liquid

Color: White

Odor: No data available.

WARNING!

Causes eye irritation. May cause skin irritation.

Potential Health Effects

Inhalation: In high concentrations, vapors may be irritating to the respiratory system.

Eye Contact: Causes eye irritation. Exposed individuals may experience eye tearing, redness, and discomfort.

Skin Contact: May cause skin irritation.

Ingestion: May cause discomfort if swallowed.

Chronic Health Effects: No data available.

Target Organ(s): | Eye | Skin | Respiratory system | Lung |

Potential Physical / Chemical Effects: This product is not flammable.

OSHA Regulatory Status: This product is hazardous according to OSHA 29CFR 1910.1200.

Environment: The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the



environment.

3 COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No. | Concentration* |
|---------------------------------------------------------|------------|----------------|
| †Aluminium oxide | 1344-28-1 | 18 - 20% |
| †Aluminum nitrate | 7784-27-2 | 1 - 5% |
| †Distillates (petroleum), hydrotreated light naphthenic | 64742-53-6 | 0.05 - 0.2% |

* All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

† This chemical is hazardous according to OSHA/WHMIS criteria.

4 FIRST AID MEASURES

Inhalation: Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

Eye Contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Flush thoroughly with water. If irritation occurs, get medical assistance. Get medical attention.

Skin Contact: Flush skin thoroughly with water. If irritation occurs, get medical assistance.

Ingestion: Rinse mouth thoroughly. Get medical attention if any discomfort occurs.

5 FIRE-FIGHTING MEASURES

Extinguishing Media: Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable Extinguishing Media: None.

Special Fire Fighting Procedures: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Unusual Fire & Explosion Hazards: None known.

Hazardous Combustion Products: Alumina compounds, Nitrogen Oxides

Protective Measures: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with eyes and prolonged skin contact. Wear appropriate personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment.

Spill Cleanup Methods: Absorb in vermiculite, dry sand or earth and place into containers. Collect and dispose of spillage as indicated in section 13 of the MSDS.

Environmental Precautions: Avoid discharge into drains, water courses or onto the ground.

Notification Procedures: Inform authorities if large amounts are involved.

7 HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment. Use only in well-ventilated areas. Observe good industrial hygiene practices.

Storage: Store in a cool and well-ventilated place. Keep container closed when not in use. Store away from incompatible materials.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

| Chemical Name | Source | Type | Exposure Limits | Notes |
|--------------------------------------------------------|---------------------------|------|--------------------------------|-------|
| Aluminium oxide | CA. Alberta OELs | TWA | 10 mg/m ³ | |
| Aluminium oxide (Dust.) | CA. Ontario OELs | TWA | 10 mg/m ³ | |
| Aluminium oxide (Total dust.) | CA. Ontario OELs | TWA | 10 mg/m ³ | |
| Aluminium oxide | MEX. OELs | TWA | 10 mg/m ³ | |
| Aluminium oxide (Respirable fraction.) | US. OSHA Z-1 PEL | TWA | 5 mg/m ³ | |
| Aluminum nitrate | CA. Alberta OELs | TWA | 2 mg/m ³ | as Al |
| Aluminum nitrate | CA. British Columbia OELs | TWA | 2 mg/m ³ | as Al |
| Aluminum nitrate | CA. Quebec OELs | TWA | 2 mg/m ³ | as Al |
| Aluminum nitrate | MEX. OELs | TWA | 2 mg/m ³ | |
| Distillates (petroleum), hydrotreated light naphthenic | CA. Ontario OELs | TWA | 1600 mg/m ³ | |
| Distillates (petroleum), hydrotreated light naphthenic | US. OSHA Z-1 PEL | TWA | 2000 mg/m ³ 500 ppm | |

Engineering Controls: Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of spray. Observe good industrial hygiene practices.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: High-efficiency particulate respirator.

Eye Protection: Wear approved safety goggles.

Hand Protection: Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.

Skin Protection: Apron and long sleeves are recommended.

Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental Exposure Controls: Environmental manager must be informed of all major spillages.

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| 9 | PHYSICAL AND CHEMICAL PROPERTIES |
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Color: White

Odor: No data available.

Odor Threshold: No data available.

Physical State: Liquid

pH: 2.4 - 3.5

Melting Point: Not applicable.

Freezing Point: No data available.

Boiling Point: 100°C (212°F)

Flash Point: No data available.

Evaporation Rate: 1

Flammability Limit - Upper (%): No data available.

Flammability Limit - Lower (%): No data available.

Vapor Pressure: 3.1 kPa (@ 25°C)

Vapor Density (Air=1): 1.1 - 1.2

Specific Gravity: 1.17 (@ 25°C)

Solubility in Water: Completely soluble in water

Solubility (Other): Not applicable.

Partition Coefficient (n-Octanol/water): No data available.

Autoignition Temperature: No data available.

Decomposition Temperature: No data available.

Viscosity: 40 cps

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| 10 | STABILITY AND REACTIVITY |
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Stability: Stable under normal temperature conditions

Conditions to Avoid: Excessive heat. Freezing.

Incompatible Materials: Strong bases.

Hazardous Decomposition Products:

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| At Elevated Temperatures: | Alumina compounds, Nitrogen Oxides |
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Possibility of Hazardous Reactions: Will not occur.

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| 11 | TOXICOLOGICAL INFORMATION |
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Specified Substance(s)

Acute Toxicity:

| Chemical Name | Test Results |
|--------------------------------------------------------|----------------------------------|
| Aluminum nitrate | Oral LD50 (Rat): 3671 mg/kg |
| Distillates (petroleum), hydrotreated light naphthenic | Inhalation LC50 (Rat): 2.81 mg/l |

Listed Carcinogens: None.

Product Information**Acute Toxicity:**

Test Results: No test data available for the product.

Other Acute: Causes eye irritation. May cause skin irritation.

Chronic Toxicity: No data available.

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| 12 | ECOLOGICAL INFORMATION |
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Ecotoxicity: The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Mobility: The product is soluble in water.

Persistence and Degradability: No data available.

Bioaccumulation Potential: No data available.

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| 13 | DISPOSAL CONSIDERATIONS |
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General Information: Dispose of waste and residues in accordance with local authority requirements.

Disposal Methods: Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

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| 14 | TRANSPORT INFORMATION |
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DOT Not regulated.

TDG Not regulated.

IATA Not regulated.

IMDG Not regulated.

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| 15 | REGULATORY INFORMATION |
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Canadian Controlled Products Regulations: This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the MSDS contains all required information.

WHMIS Classification: D2B

Inventory Status

This product or all components are listed or exempt from listing on the following inventory: DSL, TSCA

US Regulations

CERCLA Hazardous Substance List (40 CFR 302.4): Not regulated.

SARA Title III

Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A): Not regulated.

Section 311/312 (40 CFR 370):

Acute (Immediate) Chronic (Delayed) Fire Reactive Pressure Generating

Section 313 Toxic Release Inventory (40 CFR 372):

| Chemical Name | CAS-No. | Reporting threshold for other users | Reporting threshold for manufacturing and processing |
|------------------|-----------|-------------------------------------|------------------------------------------------------|
| Aluminum nitrate | 7784-27-2 | 10000 lbs | 25000 lbs |
| Aluminium oxide | 1344-28-1 | 10000 lbs | 25000 lbs |

For reporting purposes: the De Minimis Concentration for a toxic chemical in a mixture is 0.1% for carcinogens as defined in 29 CFR 1910.1200(d)(4) or 1% for others.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
Not regulated.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): Not regulated.

Drug Enforcement Act: Not regulated.

TSCA

TSCA Section 4(a) Final Test Rules & Testing Consent Orders: Not regulated.

TSCA Section 5(a)(2) Final Significant New Use Rules (SNURs) (40CFR 721, Subpt. E): Not regulated.

TSCA Section 5(e) PMN-Substance Consent Orders: Not regulated.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.

State Regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): Not regulated.

Massachusetts Right-To-Know List: Aluminium oxide; Distillates (petroleum), hydrotreated light naphthenic

Michigan Critical Materials List (Michigan Natural Resources and Environmental Protection Act (Act. 451 of 1994)): Not regulated.

Minnesota Hazardous Substances List: Aluminium oxide; Aluminum nitrate

New Jersey Right-To-Know List: Aluminium oxide; Aluminum nitrate

Pennsylvania Right-To-Know List: Aluminium oxide; Aluminum nitrate

Rhode Island Right-To-Know List: Aluminium oxide

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| 16 | OTHER INFORMATION |
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HAZARD RATINGS

| | Health Hazard | Fire Hazard | Instability | Special Hazard |
|-------------|----------------------|--------------------|--------------------|-----------------------|
| NFPA | 1 | 0 | 0 | -- |

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

NFPA Label colored diamond code: Blue - Health; Red - Flammability; Yellow - Instability; White - Special Hazards

| | Health Hazard | Flammability | Physical Hazard | Personal Protection |
|-------------|----------------------|---------------------|------------------------|----------------------------|
| HMIS | 1 | 0 | 0 | X |

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Personal Protection codes: X - Specialized Handling

HMIS Label colored bar code: Blue - Health; Red - Flammability; Orange - Physical Hazards; White - Special

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SDS No.: 1022213

Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.