

# WASHINGTON MILLS

CERAMICS CORPORATION

## MATERIAL SAFETY DATA SHEET

### 1.0 Chemical Product and Company Identification

**Product Name:** Duramedia® H, Duramedia® PZ

**Product Identification:** Fired ceramic, mass finishing media

**Chemical Name:** Not Established

**Company Name:** Washington Mills Ceramics Corp.  
165 King Street  
Sun Prairie, WI 53590  
(608) 837-5155 Fax (608) 837-0808

**Emergency/Technical (716) 278-6763**  
**CHEMTREC (800) 424-9300**

### 2.0 Composition/Information on Ingredients

Component	EINECS	Percent By Weight	OSHA PEL (Exposure Guidelines)
<b>Magnesium Aluminum Silicate</b> (CAS No. 1302-88-1)	N/A	30.0-60.0	Total (TWA) 15 mg/m <sup>3</sup> Respirable(TWA)
<b>Aluminum Oxide</b> (CAS No. 1344-28-1)	215-28-1	0.0-36.0	Total (TWA) 15 mg/m <sup>3</sup> Respirable(TWA)
<b>Zirconium Silicate</b> (CAS No. 10101-52-7)	233-252-7 N/A	30.0-60.0	Total (TWA) 5 mg/m <sup>3</sup> (as Zr) Respirable(TWA)

### 3.0 Hazard Identification/Potential Health Effects

**Eye:** Potential mechanical eye irritant if fragmented or allowed to generate dust. May cause tearing and redness.

**Skin:** Not absorbed through the skin. Mechanical skin irritant. Prolonged contact may cause skin abrasion, redness, itching.

**Sensitization:** No data available.

**Ingestion:** Not a probable route of entry. No long-term health effects are anticipated.

**Inhalation:** Not a probable route of entry. If used properly in wet applications, the potential for the formation of dust is negligible.

**Target Organs:** Eyes, skin.  
**Acute Effects:** N/A  
**Chronic Effects:** N/A  
**Signs & Symptoms:** N/A

### 4.0 First Aid Measures

**Eyes:** Flush eyes with large amounts of water. If signs/symptoms persist, seek medical attention.

**Skin:** Wash affected area with soap and water. If signs/symptoms persist, seek medical attention.

**Inhalation:** Inhalation is an unlikely route of exposure. Remove person to fresh air. If signs/symptoms develop, seek medical attention.

**Ingestion:** Ingestion is an unlikely route of exposure. Leave decision to induce vomiting to qualified medical personnel, since particles may be aspirated into the lungs. Seek immediate medical attention.

### 5.0 Fire Fighting Measure

**Flammable/Combustible Properties:** None

**Extinguishing Media:** Extinguisher suitable for ordinary combustible materials. Class A extinguishing agents.

**Special Fire Fighting Procedures:** In fire conditions, fire-fighters should wear appropriate respiratory protection and full protective gear.

**Fire & Explosion Hazards:** Not applicable. None inherent in this product.

### 6.0 Accidental Release Measures

**Personal Safety Precautions:** Avoid creating dust. Avoid contact with skin and eyes. Use with adequate ventilation.

**Environmental Precautions:** Ensure material is properly disposed of.

**Cleanup Measures:** Collect spilled material mechanically and place in a suitable, compatible, properly labeled container. Avoid creating any dust. Ensure adequate ventilation and dispose of material in accordance with all applicable local, state and federal laws.

## 7.0 Handling and Storage

**Handling:** Avoid contact with skin and eyes. Wash hands before eating. Prevent the formation of dust. Handle with adequate ventilation.

**Normal Storage:** Normal Storage: Store in the original container in a cool, dry well ventilated area. Keep containers tightly sealed.

## 8.0 Exposure Controls & Personal Controls

**Engineering Controls:** Provide sufficient mechanical ventilation to reduce airborne concentrations and minimize exposure. Maintain employee exposure below applicable permissible exposure limits.

**Hygienic Measures:** Do not inhale dust/smoke/mist. Avoid contact with skin and eyes. Wash hands before eating.

**Respiratory Protection:** Avoid breathing dust. Assess exposure concentrations of all materials involved in the workplace. If concentrations exceed the exposure limits listed in Section 2, Exposure Guidelines, or irritation or other symptoms are experienced, follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard 149 approved respirator.

**Eye Protection:** Avoid eye contact. To minimize the risk of injury to eyes, always wear appropriate protective safety glasses or chemical safety goggles.

**Skin Protection:** Avoid skin contact. Wear appropriate protective clothing to minimize risk of injury to skin from contact with dust or physical abrasion.

## 9.0 Physical and Chemical Properties

<b>Formula:</b>	N/A
<b>Physical State:</b>	Solid
<b>Boiling Point:</b>	>2000 °C
<b>Melting Point:</b>	>1100 °C
<b>pH at 20°:</b>	N/A
<b>Vapor Density:</b>	N/A
<b>Explosive Properties:</b>	None
<b>Solubility:</b>	Insoluble
<b>Appearance:</b>	White to Tan
<b>Odor:</b>	Odorless
<b>Flash Point:</b>	N/A
<b>Decomposition Temperature:</b>	N/A
<b>Vapor Pressure:</b>	N/A
<b>Oxidizing Properties:</b>	N/A
<b>Specific Gravity:</b>	2.5
<b>Bulk Density:</b>	N/A

## 10.0 Stability and Reactivity

<b>Chemical Stability:</b>	Stable
<b>Thermal Decomposition:</b>	N/A
<b>Incompatibility:</b>	N/A
<b>Conditions to Avoid:</b>	None known
<b>Hazardous Decomposition Products:</b>	None expected
<b>Dangerous Reactions:</b>	None known
<b>Hazardous Polymerization:</b>	Will not occur

## 11.0 Toxicological Information

Data Not Available

## 12.0 Ecological Information

**Ecotoxicity:** Not Available

## 13.0 Disposal Considerations

Solid or chemical waste generators must determine whether a discarded waste is classified as a hazardous waste. U.S. EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local waste regulations to ensure complete and accurate classification.

## 14.0 Transportation Information

**U.S. DOT:** This product is not regulated by USDOT as a Hazardous Material (49 CFR 172.101). No UN code assigned. No placard required for transportation.

**IMDG:** Not regulated as a Hazardous Material.

**ACAO/IATA:** Not regulated as a Hazardous Material.

**EU (ADR, RID):** Not regulated as a Hazardous Material.

## 15.0 Regulatory Information

**TSCA:** The chemical components of this product are registered under the Toxic Substances Control Act (40 CFR 710.4)

**RCRA:** This product is not classified as a hazardous material under RCRA or its regulations, 40 CFR 261.

**CERCLA:** This product is not classified as a hazardous substance under CERCLA regulations, 40 CFR 302.

**SARA:** This product is not an extremely hazardous substance in Section 302 and is not a toxic chemical subject to the requirements of 313.

by Kevin J. Schroeder, Environmental, Health and Safety Manager

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