

## Section 1: Identification

**PRODUCT IDENTIFIER:** Zirconia Grinding Papers and Powders

**CHEMICAL FAMILY:** Abrasive

**EMERGENCY PHONE:** CHEMTREC 800-424-9300 (US) Day or night  
Customer No. 16568

**MANUFACTURER:** PACE Technologies  
3601 E. 34<sup>th</sup> St., Tucson, AZ 85718S  
Tucson, Arizona USA  
Phone: +1 520-882-6598  
FAX: +1 520-882-6598

## Section 2: Hazard(s) Identification

<b>GHS CLASIFICATION:</b>	Not a hazardous substance or mixture
<b>PICTOGRAM(s):</b>	N/A
<b>SIGNAL WORD:</b>	N/A
<b>HAZARD STATEMENTS:</b>	N/A
<b>PRECAUTIONARY STATEMENTS:</b>	P261-Avoid breathing dust. P264-Wash hands thoroughly after handling. P337-P313-IF eye irritation persists: Get medical advice/attention. P501- Dispose of contents/container to Federal, State and Local Regulations

## Section 3: Composition/Information on Ingredients

CHEMICAL	APPRX %	CAS Number
Zirconia	50-100	1314-23-4

Ingredients are listed on the TSCA Inventory of Chemical Substances. Those not identified are non-hazardous.

#### Section 4: First-Aid Measures

**EYES:** Irrigate with large amounts of water; obtain medical assistance, if needed.

**SKIN:** Wash with soap and water; obtain medical assistance, if needed.

**INHALATION:** No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

**INGESTION:** If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**NOTES TO PHYSICIAN:** Not applicable.

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#### Section 5: Fire-Fighting Measures

**FLASH POINT (TEST METHODS):** Not applicable

**FLAMMABILITY LIMITS IN AIR, % BY VOLUME:** LEL: N/A  
UEL: N/A

**EXTINGUISHING MEDIA:** Not applicable

**SPECIAL FIRE FIGHTING PROCEDURES:** Not applicable. Use NIOSH/MSHA approved SCBA and full protective equipment

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#### Section 6: Accidental Release Measures

**ACCIDENTAL RELEASE MEASURES:** Not applicable

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#### Section 7: Handling and Storage

**NORMAL STORAGE AND HANDLING:** Handle with adequate ventilation for nuisance dust. See OSHA 29CFR1910-94 (Ventilation) and 29CFR1910-1000 (Air Contamination)

**NORMAL USE:** Same as above

**STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS:** Normal cleanup procedures. Respirators may be required.

**WASTE DISPOSAL METHOD:** Standard landfill methods consistent with applicable Federal, State and local law.

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### Section 8: Exposure Controls/ Personal Protection

**RESPIRATORY PROTECTION:** As needed, approved dust respirator. See OSHA 29CFR1910-134

**VENTILATION:** Local: Recommended  
Mechanical (General): Recommended  
Other: NAIF

**PROTECTIVE GLOVES:** As desired by user.

**EYE PROTECTION:** Recommended. See OSHA 29CFR1910.133

**OTHER PROTECTIVE EQUIPMENT:** NAIF

**MEASURES TO BE TAKEN DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT** See Section VII and VIII

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### Section 9: Physical and Chemical Properties

<b>BOILING POINT:</b>	N/A
<b>MELTING POINT:</b>	N/A
<b>SPECIFIC GRAVITY (H2O = 1)</b>	N/D
<b>% VOLATILES BY VOLUME</b>	N/A

<b>APPEARANCE AND ODOR</b>	Various color depending upon grade
<b>SOLUBILITY IN WATER (% BY VOLUME)</b>	N/A
<b>SOLUBILITY IN OTHER SOLVENTS</b>	N/A
<b>EVAPORATION RATE</b>	N/A
<b>VAPOR PRESSURE</b>	N/A
<b>VAPOR DENSITY</b>	N/A

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### Section 10: Stability and Reactivity

**STABILITY:** Product is stable.

**INCOMPATIBILITY (CONDITIONS TO AVOID):** Inert

**DECOMPOSITION PRODUCTS:** Inert

**HAZARDOUS POLYMERIZATION** Will not occur.

**CONDITIONS TO AVOID** Inert

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### Section 11: Toxicological Information

**INHALATION:** Zirconia dust may irritate throat and respiratory system, may cause coughing..

**SKIN CONTACT:** Zirconia dust may irritate skin.

**EYE CONTACT:** Zirconia dust may cause irritation.

### Potential Health Effects:

**LOCAL EFFECTS:** N/A

**SENSITIZATION:** N/A

**CHRONIC TOXICITY:** N/A

**LONG TERM TOXICITY:** N/A

**SPECIFIC EFFECTS:** N/A

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## Section 12: Ecological Information

**MOBILITY:** Not relevant

**PERSISTENCE/  
DEGRADABILITY:** Not relevant

**BIACCUMULATION:** Not relevant

**ECO-TOXICITY:** This product is not expected to be toxic to the environment. Adopt sound working practices so that the product is not released into the environment.

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## Section 13: Disposal Considerations

Disposed of in accordance with appropriate government regulations.

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## Section 14: Transportation Information

**DOT (CFR49):** NOT REGULATED.

**IATA (air):** NOT REGULATED.

**IMDG (ocean):** NOT REGULATED.

**HAZARD CLASSIFICATION:** NON-HAZARDOUS.

**PACKING GROUP:** NOT REGULATED.

**UN/NA CODE:** NOT REGULATED.

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### Section 15: Regulatory Information

**OSHA:** Non-hazardous by definition of Hazard  
Communication Standard (29 CFR 1910.1200)

**CERCLA-SARA  
HAZARD CATEGORY:** This product has been reviewed, and is considered,  
under applicable definitions, to meet the following  
categories: NONE

**SARA SECTION 313:** This production contains the following substances  
subject to the reporting requirements of Section 313  
and 40 CFR part 372: NONE

**TOXIC CONTROL  
SUBSTANCES  
CONTROL ACT:** The chemical substances in this product are on the  
TSCA Section 8 Inventory: NO COMPONENTS  
FOUND.

**NEW JERSEY RIGHT-  
TO-KNOW:** The following materials are non-hazardous, but are  
among the top five component in this product:

Chemical Name: fillers and backing (non-  
hazardous)  
CAS No. : none – mix

**PENNSYLVANIA  
RIGHT-TO-KNOW:** The following non-hazardous ingredients are  
present in the product at greater than 3%:

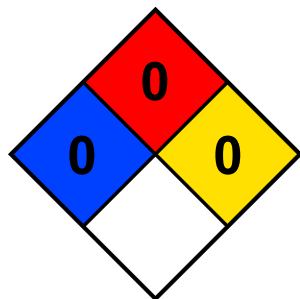
Chemical Name: fillers and backing (non-  
hazardous)  
CAS No. : none – mix

<b>CALRONIA PROPOSITION 65:</b>	No Proposition 65 chemicals known to exist in this product.
<b>VOLATILE ORGANIC COMPOUNDS (VOCS):</b>	0 grams/ltr
<b>CANADIAN WHMIS:</b>	This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings. CANADIAN WHMIS CLASS: NONE
<b>COMPONENT RCRA CLASSIFICATIONS:</b>	Not regulated
<b>COMPONENT RCRA CODES:</b>	No information
<b>CERCLA RQ VALUE (MINIMUM):</b>	None known

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## Section 16: Other Information

### 16.1 NFPA 704



**Top, Flammability: 0 – Minimal Hazard**

**Left, Health Hazard: 0 – Minimal Hazard**

**Right, Reactivity: 0 – Minimal Hazard**

**Bottom, Special Notice: N/A**

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