

SAFETY DATA SHEET

Current Revision: 2, 2/24/2017	Prepared by: Ben Ward, Product Engineer
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I. IDENTIFICATION

EMERGENCY PHONE: <p style="text-align: center;">CHEMTREC- (800) 424-9300 CCN: 19481</p>	Salem Fabrication Supplies 5901 Gun Club Road Winston-Salem, NC 27103 Information: (800) 234-1982
PRODUCT NAME: Vibroxide A Zirconium Oxide	
SYNONYMS: Oxide polishing compound.	

Recommended Use:

Precision and advanced surfaces processing.

Restrictions:

Industrial and professional use.

II. HAZARD IDENTIFICATION

Classification (§1910.1200):

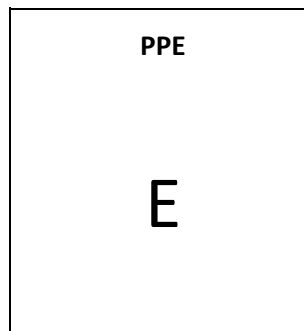
Carcinogenicity: Category 1A

Signal Word/Symbols:

DANGER
Hazard Statement:
 H350 May cause cancer.



NFPA 704



Precautionary Statement:

P201 Obtain special instructions before use.

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P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P501 Dispose of contents/ container to an approved waste disposal plant.

Miscellaneous Hazards:

None known.

Unknown Acute Toxicity Statement:

No data available.

III.COMPOSITION

CHEMICAL NAME:	COMMON NAMES:	CAS:	% BY WEIGHT:
Zirconium oxide	N/A	1314-23-4	70-90
Quartz	N/A	14808-60-7	10-20

Classified Impurities and Additives:

No data available.

IV.FIRST AID MEASURES

Inhalation:

Remove to fresh air. If unconscious place in recovery position and seek medical advice.
Never give anything by mouth to an unconscious person.

Skin Contact:

Wash off immediately with soap and plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.

Eye Contact:

Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye.
Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

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Ingestion:

Do NOT induce vomiting. Rinse immediately with plenty of water and seek medical advice.

Symptoms/Effects:

May cause cancer.

Level of Medical Attention Needed:

Consult physician.

V. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media:

Heavy water stream may scatter and spread fire.

Specific Hazards:

Do not use a solid water stream as it may scatter and spread fire. Cool closed containers exposed to fire with water spray. No hazardous combustion products are known.

Special Protective Equipment:

As in any fire, wear self-contained breathing apparatus and full protective gear.

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Use personal protective equipment. Ensure adequate ventilation.

Protective Equipment:

See Section 8 for additional information.

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Emergency Procedures:

Evacuate unnecessary personnel. Local authorities should be advised if significant spillages cannot be contained.

Methods for Cleanup/Removal:

Keep in suitable, closed containers for disposal.
Clean contaminated floors and objects thoroughly while observing environmental regulations.

VII.HANDLING AND STORAGE

Handling Precautions:

For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

Safe Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place.
Electrical installations/working materials must comply with the technological safety standards.

Incompatibilities:

No special restrictions on storage with other products. No materials to be especially mentioned.

VIII.EXPOSURE CONTROLS AND PROTECTIVE EQUIPMENT

OSHA PEL:	ACGIH TLV:	OTHER EXPOSURE LIMITS:
N/A	N/A	N/A

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Appropriate Engineering Controls:

Provide appropriate exhaust ventilation at machinery and at places where dust or fumes can be generated. Ensure that eyewash stations and safety showers are proximal to the workstation location.

Personal Protective Measures:

- Safety glasses with side shields.
- Lightweight protective clothing.
- Chemical-resistant gloves and impermeable body covering to minimize skin contact. Contaminated work clothing should not be allowed out of the workplace. Keep working clothes separately. Remove and wash contaminated clothing before re-use.
- Respiratory protection: Use NIOSH approved respirator when ventilation is inadequate. Wear NIOSH approved respirator to limit exposure to NORM.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Solid white

Odor: Odorless	Odor Threshold: No information available.	pH: No information available.
Melting/Freezing Point: No information available.	Boiling Point: No information available.	Boiling Range: No information available.
Flash Point: No information available.	Evaporation Rate: No information available.	Flammability (Solid, Gas): No information available.

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Upper/ Lower Flammability/ Explosive Limit: No information available.	Vapor Pressure: No information available.	Vapor Density: No information available.
Relative Density: 5.4	Solubility (ies): Insoluble	Partition Coefficient: NOctanol/Water: No information available.
Auto Ignition Temperature: No information available.	Decomposition Temperature: No information available.	Viscosity: No information available.

X.STABILITY AND REACTIVITY

Reactivity:

No data available.

Chemical Stability:

Stable under normal conditions.

Possibility of Hazardous Reactions:

None under normal processing.

Conditions to Avoid: Static Discharge, Shock, Vibrations, Etc.

Avoid thermal decomposition, do not overheat.

Incompatible Materials:

None known.

Hazardous Decomposition Products:

None under normal processing.

XI.TOXICOLOGICAL INFORMATION

Possible Exposure Routes (Inhalation Etc.):

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Eye, inhalation, ingestion, and skin contact.

Symptoms Related To Toxicological Characteristics:

May cause irritation to area of contact.

Delayed, Immediate, and Chronic Effects:

Prolonged contact may cause irritation.

Numerical Toxicity Measurements:

Silica:

5000 mg/kg (Rat) LD50 Oral

2000 mg/kg (Rabbit) LD50 Dermal

NTP/IARC/OSHA Known Carcinogen:

Not a known carcinogen.

XII. ECOLOGICAL INFORMATION

Ecotoxicity:

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

Persistence and Degradability:

No information available.

Bioaccumulative Potential:

No information available.

Soil Mobility:

No information available.

Other Adverse Effects:

None known.

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XIII. DISPOSAL CONSIDERATIONS

Waste Residue and Disposal:

Dispose in accordance with local, state, and national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

XIV. TRANSPORT INFORMATION

UN Number: Not regulated.	UN Proper Shipping Name: Not regulated.	Transport Hazard Class (es): Not regulated.
Packing Group: Not regulated.	Environmental Hazards: None known.	Transport in Bulk (Annex LI MARPOL 73/78 and IBC Code) Not regulated.

Special Precautions:

None known.

XV. REGULATORY INFORMATION

Environmental/ Health/ Safety:

- U.S. EPA TSCA 8(b): Listed or exempt.
- Europe (EINECS): Listed or exempt.
- Canada DSL/NDSL list All ingredient(s) are listed on the DSL or NDSL
- Philippines (PICCS): One or more ingredient(s) are not on the PICCS list.
- Japan (ENCS): Listed or exempt.
- China (IECS): Listed.
- Australia (AICS): Listed.
- Korea (KECL): Listed.

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XVI. OTHER INFORMATION

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Salem Fabrication Supplies. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or in any process. Salem Fabrication Supplies assumes no legal responsibility for use of or reliance upon this information.

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