

SAFETY DATA SHEET

Current Revision: 6, 1/17/2017	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: Orion Plastic Lens Polish	
SYNONYMS: Aluminum oxide polishing slurry.	

Recommended Use:

Industrial polishing and manufacture of recommended materials.

Restrictions:

N/A

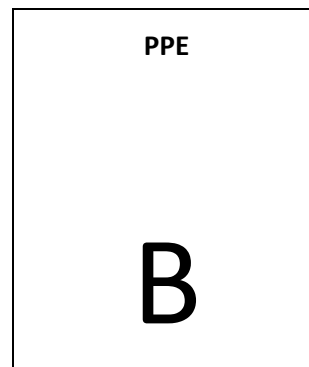
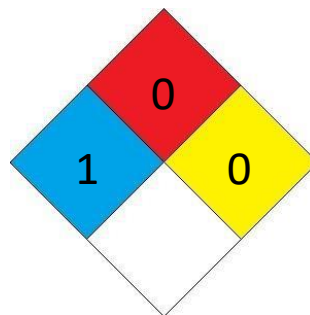
II. HAZARD IDENTIFICATION

Classification (§1910.1200):

Not classified as a hazardous good according to GHS standards.

Signal Word/Symbols:

N/A



Hazard Statement:

Not a hazardous substance or mixture.

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5901 Gun Club Road
 Winston-Salem, NC 27103
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 Santa Fe Springs, CA 90670
Office: 800.445.6339 | 562.944.6155

PENNSYLVANIA

2330 Greensburg Road
 New Kensington, PA 15068
Office: 724.212.3749

WASHINGTON

3801 NE 109th Ave, Suite C
 Vancouver, WA 98682
Office: 360.993.5644

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Precautionary Statement:

Not a hazardous substance or mixture.

Miscellaneous Hazards:

None known.

Unknown Acute Toxicity Statement:

None known.

III.COMPOSITION

CHEMICAL NAME:	COMMON NAMES:	CAS:	% BY WEIGHT:
Aluminum oxide		1344-28-1	10-20
Aluminum nitrate		7784-27-2	1-5

Classified Impurities and Additives:

N/A

IV.FIRST AID MEASURES

Inhalation:

If skin irritation persists, call a physician.

Skin Contact:

Rinse skin with water/shower and soap. Wash contaminated clothing before reuse.

Eye Contact:

Rinse immediately with plenty of water and seek medical advice.

Ingestion:

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If accidentally swallowed obtain immediate medical attention.

Symptoms/Effects:

None known.

Level of Medical Attention Needed:

Contact physician if high levels of exposure occur or symptoms develop.

V. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

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

Unsuitable Extinguishing Media:

N/A

Specific Hazards:

Do not allow run-off from fire-fighting to enter drains or water courses. No hazardous combustion products are known.

Special Protective Equipment:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH, and full protective gear.

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Follow safe handling advice and personal protective equipment recommendations.

Protective Equipment:

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Wear appropriate goggles/glasses, gloves, clothing and a dust mask to reduce exposure.

Emergency Procedures:

N/A

Methods for Cleanup/Removal:

Sweep up and shovel into suitable containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations. Do not allow uncontrolled discharge of product into the environment.

VII. HANDLING AND STORAGE

Handling Precautions:

Avoid inhalation, ingestion and contact with skin and eyes.

Safe Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place.

Incompatibilities:

N/A

VIII. EXPOSURE CONTROLS AND PROTECTIVE EQUIPMENT

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<p>OSHA PEL:</p> <p>Aluminum Oxide: Z-1 15mg/m³ TWA tot dust 5mg/m³ resp fraction P0 10mg/m³ TWA tot dust 5mg/m³ resp fraction</p> <p>Aluminum Nitrate: P0 2mg/m³ TWA</p>	<p>ACGIH TLV:</p> <p>Aluminum Oxide: 1mg/m³ resp fraction</p>	<p>OTHER EXPOSURE LIMITS:</p> <p>NIOSH REL Aluminum Oxide: 2mg/m³ TWA</p>
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Appropriate Engineering Controls:

Apply technical measures to comply with the occupational exposure limits. Provide adequate ventilation.

Personal Protective Measures:

Wear suitable protective equipment.
Safety glasses.
For prolonged or repeated contact use protective gloves.
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

White slurry.

<p>Odor:</p> <p>None</p>	<p>Odor Threshold: No data available.</p>	<p>Ph:</p> <p>3.2 – 4.2</p>
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Melting/Freezing Point: No data available.	Boiling Point: No data available.	Boiling Range: No data available.
Flash Point: Not applicable.	Evaporation Rate: No data available.	Flammability (Solid, Gas): Not applicable.
Upper/Lower Flammability/Explosive Limit: No data available.	Vapor Pressure: No data available.	Vapor Density: No data available.
Relative Density: No data available.	Solubility (ies): Insoluble	Partition Coefficient: NOctanol/Water: No data available.
Auto Ignition Temperature: No data available.	Decomposition Temperature: No data available.	Viscosity: No data available.

X.STABILITY AND REACTIVITY

Reactivity:

No dangerous reaction known under conditions of normal use.

Chemical Stability:

Stable at normal temperatures and pressure.

Possibility of Hazardous Reactions:

No dangerous reaction known under conditions of normal use.

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

Not known.

Incompatible Materials:

Strong oxidizing agents.

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Hazardous Decomposition Products:

None known.

XI. TOXICOLOGICAL INFORMATION

Possible Exposure Routes (Inhalation Etc.):

Oral ingestion, inhalation, skin, and eyes

Symptoms Related to Toxicological Characteristics:

None known.

Delayed, Immediate, and Chronic Effects:

None known.

Numerical Toxicity Measurements:

Acute oral toxicity: Aluminum Oxide: Oral, rat LD50 = 5000mg/kg

NTP/LARC/OSHA Known Carcinogen:

Not listed as a known carcinogen.

XII. ECOLOGICAL INFORMATION

Ecotoxicity:

No data available.

Persistence and Degradability:

Not determined.

Bioaccumulative Potential:

No data available.

Soil Mobility:

No data available.

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Other Adverse Effects:

Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

XIII.DISPOSAL CONSIDERATIONS

Waste Residue and Disposal:

Comply with all national, state, and local regulations. Do not dump this product into sewers, on the ground, or in any body of water. Dispose of wastes in an approved waste disposal facility.

XIV. TRANSPORT INFORMATION

UN Number: None	UN Proper Shipping Name: None	Transport Hazard Class (es): None
Packing Group: None	Environmental Hazards: None known.	Transport in Bulk (Annex LI MARPOL 73/78 and IBC Code) None known.

Special Precautions:

N/A

XV.REGULATORY INFORMATION

Environmental/ Health/ Safety:

SARA 313 – This product contains components that are reportable under the regulation. Right to Know Lists: Massachusetts, Pennsylvania, and New Jersey.
INVENTORIES

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EINECS: On the inventory, or in compliance with the inventory.

CH INV: On the inventory, or in compliance with the inventory.

TSCA: On the inventory, or in compliance with the inventory. 5A – not relevant.

DSL: This product contains one or several components listed in the Canadian NDSL.

AICS: Not in compliance with the inventory.

NZIoC: On the inventory, or in compliance with the inventory.

ENCS: Not in compliance with the inventory.

ISHL: Not in compliance with the inventory.

KECI: On the inventory, or in compliance with the inventory.

PICCS: Not in compliance with the inventory.

IECSC: On the inventory, or in compliance with the inventory.

CLEAN AIR ACT:

This product **neither contains, nor was manufactured with** a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product **does not** contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61). This product **does not** contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). This product **does not** contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

CLEAN WATER ACT

This product **does not** contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A. This product **does not** contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3. This product **does not** contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.

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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