

## MATERIAL SAFETY DATA SHEET

Current Revision: 1	Prepared By: Ben Ward
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### I. IDENTIFICATION

<b>EMERGENCY PHONE:</b> <p style="text-align: center;"><b>CHEMTREC- (800) 424-9300</b> <b>CCN 19481</b></p>	Salem Fabrication Supplies 5901 Gun Club Road Winston-Salem, NC 27103 Information: <b>(800) 234-1982</b>
<b>PRODUCT NAME:</b> ASM Alumina	
<b>SYNONYMS:</b> Aluminum oxide	

**Recommended Use:**

Polishing and manufacture of recommended materials **Restrictions:**

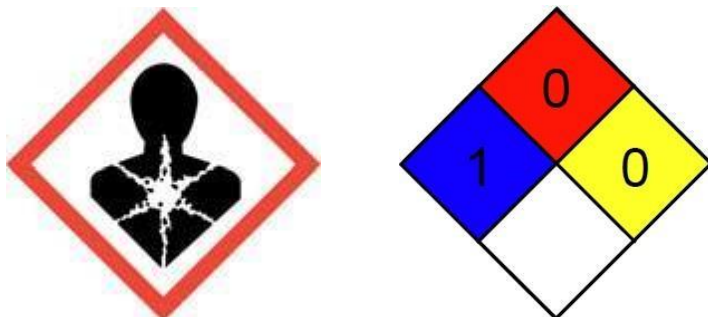
N/A

### II. HAZARD IDENTIFICATION

**Classification (§1910.1200):**

Specific target organ systemic toxicity - Single exposure Category 3  
 Specific target organ systemic toxicity - Repeated exposure Category 1 (Lung) **Signal**

**Word/Symbols:**



**Hazard Statement:**

May cause respiratory irritation

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 Santa Fe Springs, CA 90670  
**Office:** 800.445.6339 | 562.944.6155

**PENNSYLVANIA**

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 New Kensington, PA 15068  
**Office:** 724.212.3749

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Causes damage to lungs through prolonged or repeated exposure **Precautionary**

**Statement:**

- Do not breathe dust/fume/gas/mist/vapours/spray.
- Use only outdoors or in well-ventilated area.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.

**Miscellaneous Hazards:**

N/A

**Unknown Acute Toxicity Statement:**

N/A

**III. COMPOSITION**

CHEMICAL NAME:	COMMON NAMES:	CAS:	% BY WEIGHT:
Al <sub>2</sub> O <sub>3</sub>	Aluminum oxide	1344-28-1	98% min

\*Exact percentage withheld as trade secret **Classified**

**Impurities and Additives:**

N/A

**Information Withheld As Trade Secret?**

No

**IV. FIRST AID MEASURES**

**Inhalation:**

Remove to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice, if necessary.

**Skin Contact:**

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

**Eye Contact:**

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Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice if irritation persists.

**Ingestion:**

Seek medical advice at once.

**Symptoms/Effects:**

N/A

**Level Of Medical Attention Needed:**

N/A

**V. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:**

Use extinguishing media most appropriate for the surrounding fire.

**Unsuitable Extinguishing Media:**

N/A

**Specific Hazards:**

N/A

**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:** N/A

**Protective Equipment:**

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

**Emergency Procedures:**

N/A

**Methods for Cleanup/Removal:**

Remove with vacuum cleaner or collect in drum

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## VII. HANDLING AND STORAGE

### Handling Precautions:

Use only in a well-ventilated area. Minimize dust generation and accumulation. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

### Safe Storage Conditions:

Keep indoor storage to avoid moisture absorption.

### Incompatibilities:

N/A

## VIII. EXPOSURE CONTROLS AND PROTECTIVE EQUIPMENT

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

### Appropriate Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use local exhaust device on polisher.

### Personal Protective Measures:

Wear appropriate goggles/glasses, nitrile gloves, clothing and a dust mask to reduce exposure and use in a well ventilated area

## IX. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

White Powder

<b>Odor:</b> None	<b>Odor Threshold:</b> N/A	<b>Ph:</b> N/A
<b>Melting/Freezing Point:</b> 2072 °C	<b>Boiling Point:</b> 2980 °C	<b>Boiling Range:</b> N/A

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<b>Flash Point:</b> Not applicable	<b>Evaporation Rate:</b> N/A	<b>Flammability (Solid, Gas):</b> N/A
<b>Upper/Lower Flammability/Explosive Limit:</b> N/A	<b>Vapor Pressure:</b> 0 hPa @ 20 °C	<b>Vapor Density:</b> N/A
<b>Relative Density:</b> 4000 g/cm <sup>3</sup>	<b>Solubility (ies):</b> Insoluble	<b>Partition Coefficient: NOctanol/Water:</b> N/A
<b>Auto Ignition Temperature:</b> N/A	<b>Decomposition Temperature:</b> N/A	<b>Viscosity:</b> N/A

## X. STABILITY AND REACTIVITY

**Reactivity:**

N/A

**Chemical Stability:**

Stable at normal temperatures and pressure.

**Possibility of Hazardous Reactions:**

N/A

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

generation

**Incompatible Materials:**

N/A

**Hazardous Decomposition Products:**

None

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## XI. TOXICOLOGICAL INFORMATION

### Possible Exposure Routes (Inhalation Etc.):

Oral/Inhalation/Skin/Eyes

### Symptoms Related To Toxicological Characteristics:

Skin- roughness and irritation Eyes-  
irritation and inflammation

### Delayed, Immediate, and Chronic Effects:

Initial exposure may cause mild irritation and dryness of all body parts.  
Repeated exposure will continue these symptoms with lung exposure leading to potential  
fibrosis

### Numerical Toxicity Measurements:

Oral rat LD50> 5000mg/kg bw

### NTP/LARC/OSHA Known Carcinogen:

None known

## XII. ECOLOGICAL INFORMATION

### Ecotoxicity:

Salmo Trutta	96Hr NOEL> 100mg/L
Dphnia magna	48Hr NOEL> 100mg/L <b>Persistence</b>

### and Degradability:

N/A

### Bioaccumulative Potential:

N/A

### Soil Mobility:

N/A

### Other Adverse Effects:

N/A

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### XIII. DISPOSAL CONSIDERATIONS

**Waste Residue and Disposal:**

Comply with all national and local regulations.  
Do not dump this product into sewers, on the ground, or in any body of water.

### XIV. TRANSPORT INFORMATION

<b>UN Number:</b> Not assigned	<b>UN Proper Shipping Name:</b> Not dangerous goods	<b>Transport Hazard Class (es):</b> Not assigned
<b>Packing Group:</b> Not assigned	<b>Environmental Hazards:</b> N/A	<b>Transport in Bulk (Annex LI MARPOL 73/78 and IBC Code)</b> N/A

**Special Precautions:**

N/A

### XV. REGULATORY INFORMATION

**Environmental/ Health/ Safety:**

No known environmental hazards

### 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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