

## SAFETY DATA SHEET

Current Revision: 2, 3/15/2016	Prepared By: Ben Ward, Product Engineer
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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> Superox 100T	
<b>SYNONYMS:</b> Rare earth compound	

**Recommended Use:**

Industrial and professional abrasive and processing **Restrictions:**  
None known

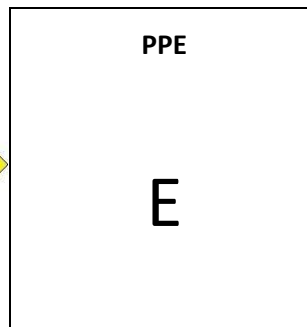
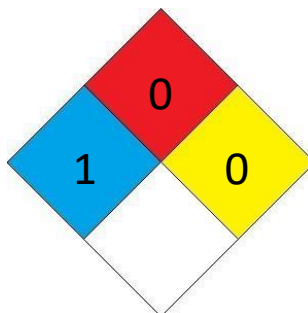
### II. HAZARD IDENTIFICATION

**Classification (§1910.1200):**

Not a hazardous substance or mixture according to GHS standards.

**Signal Word/Symbols:**

**NFPA 704**



N/A

**Hazard Statement:**

N/A

**Precautionary Statement:**

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5901 Gun Club Road  
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**Office:** 800.234.1982 | 336.766.1104

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N/A

**Miscellaneous Hazards:**

N/A

**Unknown Acute Toxicity Statement:**

N/A

**III. COMPOSITION**

CHEMICAL NAME:	COMMON NAMES:	CAS:	% BY WEIGHT:
Rare earth fluorides	N/A	68188-85-2	20-30
Trade Secret <%2 Silica	N/A	N/A	10-20

\*Information withheld as a trade secret **Classified**

**Impurities and Additives:**

N/A

**IV. FIRST AID MEASURES**

**Inhalation:**

Remove person to air and contact physician if symptoms develop.

**Skin Contact:**

Wash skin. Contact physician if symptoms develop.

**Eye Contact:**

Remove contacts and wash thoroughly with water. Contact physician if symptoms develop.

**Ingestion:**

Drink water. Contact physician if symptoms develop.

**Symptoms/Effects:**

None known.

**Level Of Medical Attention Needed:**

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Consult a physician.

## V. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media:

Use extinguishing media suitable to surrounding environment.

### Unsuitable Extinguishing Media:

N/A

### Specific Hazards:

Exposure to decomposition products may be a hazard to health.

Do not allow run-off from firefighting to enter drains or water courses.

### Special Protective Equipment:

In the event of fire, wear self-contained breathing apparatus.

## VI. ACCIDENTAL RELEASE MEASURES

### Personal Precautions:

Ensure adequate ventilation.

Follow safe handling advice and personal protective equipment recommendations.

### Protective Equipment:

See section 8.

### 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 flush into surface water or sanitary sewer system. Prevent product from entering drains.

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## VII. HANDLING AND STORAGE

### Handling Precautions:

Do not get in eyes or mouth or on skin.  
Smoking, eating and drinking should be prohibited in the application area. Do not use in areas without adequate ventilation.

### Safe Storage Conditions:

Keep away from heat and sources of ignition.

### Incompatibilities:

None known.

## VIII. EXPOSURE CONTROLS AND PROTECTIVE EQUIPMENT

OSHA PEL:	ACGIH TLV:	OTHER EXPOSURE LIMITS:
<u>Fluorides:</u> <b>OSHA Z-1</b> TWA 2.5 mg/m <sup>3</sup>	<u>Fluorides:</u> TWA 2.5 mg/m <sup>3</sup> <u>Trade Secret:</u>	<u>Trade Secret:</u> <b>NIOSH REL</b> TWA (Resp) 5 mg/m <sup>3</sup>
<b>OSHA P0</b> TWA 2.5 mg/m <sup>3</sup> <u>Trade Secret:</u> <b>OSHA P0</b> TWA (Tot dust) 10 mg/m <sup>3</sup> TWA (resp dust fract) 5 mg/m <sup>3</sup>	TWA 2 mg/m <sup>3</sup>	TWA (Tot) 10 mg/m <sup>3</sup>

### Appropriate Engineering Controls:

Apply technical measures to comply with the occupational exposure limits. Provide adequate ventilation. Ensure that eyewash stations and safety showers are close to the workstation location.

### Personal Protective Measures:

Safety glasses.

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Protective gloves.  
 Long sleeve shirt or apron.  
 When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  
 Wear suitable protective equipment. Avoid contact with skin.  
 Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:**

Light brown powder

<b>Odor:</b> None	<b>Odor Threshold:</b> N/A	<b>Ph:</b> N/A
<b>Melting/ Freezing Point:</b> N/A	<b>Boiling Point:</b> N/A	<b>Boiling Range:</b> N/A
<b>Flash Point:</b> N/A	<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> N/A	<b>Vapor Density:</b> N/A
<b>Relative Density:</b>  (Gen density) 5.4 g/cm <sup>3</sup>	<b>Solubility (ies):</b>  Insoluble	<b>Partition Coefficient: N-</b>  <b>Octanol/Water:</b> N/A

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<b>Auto Ignition Temperature:</b> N/A	<b>Decomposition Temperature:</b> N/A	<b>Viscosity:</b> N/A
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## X. STABILITY AND REACTIVITY

**Reactivity:**

N/A

**Chemical Stability:**

N/A

**Possibility of Hazardous Reactions:**

N/A

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

N/A

**Incompatible Materials:**

None known

**Hazardous Decomposition Products:**

N/A

## XI. TOXICOLOGICAL INFORMATION

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

Inhalation (dust/mist/fume), skin, eye contact, and ingestion.

**Symptoms Related To Toxicological Characteristics:**

N/A

**Delayed, Immediate, and Chronic Effects:**

N/A

**Numerical Toxicity Measurements:**

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N/A

**NTP/IARC/OSHA Known Carcinogen:**

N/A

**XII. ECOLOGICAL INFORMATION**

**Ecotoxicity:**

N/A

**Persistence and Degradability:**

N/A

**Bioaccumulative Potential:**

N/A

**Soil Mobility:**

N/A

**Other Adverse Effects:**

N/A

**XIII. DISPOSAL CONSIDERATIONS**

**Waste Residue and Disposal:**

Dispose of wastes in an approved waste disposal facility. Always comply with local, state, and federal regulations.

**XIV. TRANSPORT INFORMATION**

UN Number:	UN Proper Shipping Name:	Transport Hazard Class (es):
None	None	None

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<b>Packing Group:</b> None	<b>Environmental Hazards:</b> None	<b>Transport in Bulk (Annex LI MARPOL 73/78 and IBC Code)</b> None
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**Special Precautions:**

N/A

**XV. REGULATORY INFORMATION**

**Environmental/ Health/ Safety:**

SARA 311/312 Hazards: Chronic Health Hazard

Massachusetts Right To Know: This product contains components that are reportable under the regulation.

Pennsylvania Right To Know: This product contains components that are reportable under the regulation.

New Jersey Right To Know: This product contains components that are reportable under the regulation.

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

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

TSCA: On TSCA Inventory

DSL: All components of this product are on the Canadian DSL.

AICS: On the inventory, or in compliance with the inventory

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

ENCs: On the inventory, or in compliance with the inventory

ISHL: On the inventory, or in compliance with the inventory

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

PICCS: On the inventory, or in compliance with the inventory

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

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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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