

Material Safety Data Sheet

Manufacturer: Electro Abrasives Corporation
Distributor: A&B Deburring Company
525 Carr St; Cinti, Ohio 45203
Emergency Phone #: 800-552-7111

Flammability: 0 Health: 0
Reactivity: 0 Hazard: 0
Rating consistent with NFPA code
Date: 7/12/99

Section 1.

Product Identification

PRODUCT PART NUMBER(S): 77053AB -or- AP106
BLEND NUMBER: #3 White Aluminum Oxide
CHEMICAL NAME: Alpha Alumina
CHEMICAL FAMILY OR PRODUCT TYPE: Refractory Oxide
PRODUCT TRADE NAME: Electro-Ox
MOLECULAR FORMULA: Al₂O₃

Section 2.

Hazardous Ingredients

CHEM. NAME	APPROX.%	COMMON NAME	REG (Y/N)	CAS #	OSHA P.E.L.	ACGIH TLV	CARCIN(Y/N)
Al ₂ O ₃	99+	Aluminum Oxide	• Y	1344-28-1	15 MG/M ³	10 MG/M ³	N

- Materials are regulated by OSHA 29 CFR 1910.1200
 - All ingredients are listed under TSCA

Section 3.

Chemical & Physical Data

Boiling Point..... No applicable information found
Melting Point..... 2040°C
Specific Gravity (H₂O = 1)..... 3.95
Vapor Pressure (mm Hg)..... No applicable information found
% Volatile by Volume..... No applicable information found
Vapor Density (Air = 1)..... No applicable information found
Evaporation Rate (Butyl Acetate = 1)..... No applicable information found
Solubility in Water..... Insoluble
Acidity (ph)..... 6-7
Appearance & odor..... White, Granular - Odorless Material

Section 4.

Fire & Explosion Hazard Data

Flash Point (°F)..... Not applicable
Flammable Limits..... LEL: Not applicable DEL: Not applicable
Fire Extinguishing Media..... Not applicable
Special Fire Fighting Procedures..... None Required
Explosion Potential..... None

Section 5.

Health, First Aid & Medical Data

PRIMARY ROUTE(S) OF ENTRY	ACUTE & CHRONIC HEALTH EFFECTS & EFFECTS OF OVEREXPOSURE	FIRST AID & MEDICAL INFORMATION
Inhalation	Acute: May cause coughing, shortness of breath	Remove to fresh air, apply artificial respiration as needed, obtain first aid or medical assistance.
Ingestion	No known adverse effects, but ingestion not recommended	Obtain first aid or medical assistance if needed
Skin contact & absorption	Not absorbed through skin, may cause abrasions	Obtain first aid or medical assistance if needed
Eye	May irritate eyes	Wash with large amounts of water; obtain medical assistance if needed
Other potential health risks	None known	Not applicable

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Section 6.

Reactivity Data

Stability..... Stable
Conditions To Avoid..... Not applicable
Incompatibility (materials to avoid)..... Not applicable
Hazardous Decomposition Products..... Not applicable
Hazardous Polymerisation..... Will Not Occur

Section 7.

Personal Protection Information

Respiratory Protection..... US Bureau of Mines approved for dusts & pneumoconiosis.
Ventilation..... Local Exhaust: Normal Dust Collector
..... Mechanical (General): Recommended
..... Other: No applicable information found
Protective Gloves..... As desired by user
Eye Protection..... Recommended. See OSHA 29CFR1910.133
Other Equipment..... No applicable information found
Measures To Be Taken During Repair
& Maintenance Of Contaminated Eqmt..... Same as operational

Section 8.

Storage, Handling & Use Procedures

Normal Storage & Handling..... Handle with adequate ventilation for nuisance
..... dust, See OSHA 19CFR1910.94 (Ventilation)
..... & 29CFR1910.1000 (Air contaminants)
Normal Use..... Same as above
(Contaminated) Steps To Be Taken
In Case Of Leaks Or Spills..... Sweep, scoop or vacuum into a receptacle for disposal.
(Uncontaminated) Steps To Be Taken
In Case Of Leaks Or Spills..... Sweep, scoop or vacuum up for use.
Waste Disposal Method.....
..... Standard landfill methods consistent with all applicable laws.

Section 9.

Special Precautions

Precautions To Be Taken In Handling & Storage:.....
Under section 25249.6 of the California safe drinking water act, we are required to identify
trace amounts of thorium oxide in our products. These products contain thorium oxide in
amounts below the reporting requirements of the Federal Hazard Communication Standard and
the Nuclear Regulatory Commission.
Other Precautions..... No applicable information found

The information and recommendations set forth are taken from sources believed to be accurate. Since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control A&B Deburring Company and Electro Abrasives Corporation makes no warranty with respect to the accuracy of the information or the suitability of the recommendations and assume no liability to any user thereof.