

Material Safety Data Sheet

S.S. White Technologies, Inc.

151 Old New Brunswick Road, Piscataway, NJ 08854 • Phone 732-752-8300 · 800-SS-WHITE • FAX 732-752-8315

Product Identification	<u>S.S. White Product Name:</u> AccuBRADE - 17 <u>Blend #:</u> 11 <u>Chemical Name:</u> Alpha Alumina <u>Molecular Formula:</u> Al₂O₃	<u>Chemical Family:</u> Refractory Oxide <u>Synonyms:</u> Alumina <u>CAS No.(s):</u> 1344-28-1 (Al₂O₃)/13463-67-7 (TiO₂) <u>NFPA Codes (Ratings):</u>
Hazardous Ingredients	<u>Materials or Components:</u> Alpha Alumina (Aluminum Oxide) Al₂O₃ Titanium Oxide (Titania) TiO₂ Impurities (SiO₂+Fe₂O₃+CaO+MgO+NAO+K₂O) <u>Hazardous Data (TLV, LD50, LC50, ETC.):</u> TLV (ACG1H) 10 Mg/M/Not a carcinogen	<u>%WW</u> 96.3 2.8 1.5
Shipping Information		
Physical Properties	<u>Boiling Point:</u> NAIF <u>Melting Point:</u> 1900 °C <u>Freezing Point:</u> N/A <u>Molecular Weight(Calculated):</u> NAIF <u>Specific Gravity (H₂O+1):</u> 3.95 @ ROOM <u>Vapor Pressure (mm hg):</u> NAIF	<u>Vapor Density (air = 1):</u> NAIF <u>Solubility in Water:</u> Insoluble <u>% Volatiles by Volume:</u> NAIF <u>Evaporation Rate:</u> NAIF Ether=1 Water =1 Butylacetate=1 <u>Appearance and Color:</u> Granular, gray brown to red brown, no odor <u>Other:</u> NAIF

Fire and Explosion Data

Flash Point: Test Method; **NAIF**

Flammable Limits: **N/A**

Autoignition temperature: **N/A**

Extinguishing media: Water Spray Water Fog

Water Stream CO₂ Dry Chemical Alcohol foam Foam Earth or sand N/A

Special Fire Fighting Procedures: Do not enter building

Allow fire to burn Water may cause frothing

Do not use water Use self-contained breathing apparatus None

Unusual Fire and Explosion Hazards: Dust explosion hazard Sensitive to shock Contamination

Temperature (Specify _____) None

Reactivity Data Stability: Stable Unstable

Conditions Contributing to Instability: Thermal decomposition Photo degradation Polymerization

Contamination NAIF

Incompatibility (Avoid contact with): Strong acids Strong alkalis Strong oxidizers Other (specify NAIF)

	<u>Hazardous Decomposition Products (Thermal and otherwise-list):</u> NAIF <u>Conditions to Avoid:</u> <input checked="" type="checkbox"/> NAIF <input type="checkbox"/> Heat <input type="checkbox"/> Open flames <input type="checkbox"/> Sparks <input type="checkbox"/> Ignition sources <input type="checkbox"/> Other (Specify _____)	
Spill or Leak	<u>Steps To Be Taken If Material Is Released Or Spilled:</u> <input type="checkbox"/> Flush With Water <input type="checkbox"/> Absorb with Sand <input type="checkbox"/> Neutralize or inert material <input checked="" type="checkbox"/> Sweep or Scoop up and remove <input type="checkbox"/> Keep upwind evacuate enclosure <input type="checkbox"/> Dispose of immediately <input type="checkbox"/> Other (specify _____)	<u>Waste Disposal Method - consult federal, state, or local authorities for proper procedures.</u> Standard landfill methods consistent with applicable federal, state, and local laws.
Toxicity	<u>Oral (acute):</u> No known adverse effects, but ingestion is not recommended. <u>Dermal (acute):</u> Not absorbed through skin; may cause abrasions. <u>Inhalation (acute):</u> May cause coughing, shortness of breath.	<u>Eye:</u> Dust may irritate eyes. <u>Chronic, Subchronic, Etc.:</u> <u>Other Potential Health Risks:</u> Not Known

Manufacturer: S.S. White Technologies, Inc.
 151 Old New Brunswick Road
 Piscataway, NJ 08854

Distributor: A&B Deburring Company
 525 Carr Street
 Cincinnati, Ohio 45203

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Effects of Exposure	<u>Permissible Exposure Limit (specify if TLV/TWA or Ceiling [c]):</u> ACGIH 19.86 10 mg/M <u>Other:</u> OSHA 19.86 15 mg/M ³ <u>Irritation:</u> <input type="checkbox"/> Skin, Severe <input checked="" type="checkbox"/> Skin, Moderate <input type="checkbox"/> Eye, Severe <input checked="" type="checkbox"/> Eye, Moderate <input type="checkbox"/> Eye, Mild(transient) <u>Corrosivity:</u> <input type="checkbox"/> Skin, 4 hours (DOT) <input type="checkbox"/> Skin, 24 hours (CPSC) <input type="checkbox"/> Eye, May cause blindness <input checked="" type="checkbox"/> NAIF	<u>Sensitization:</u> <input type="checkbox"/> Skin <input type="checkbox"/> Respiratory <input type="checkbox"/> Allergen <input checked="" type="checkbox"/> NAIF <u>Inhalation Effects:</u> <input type="checkbox"/> Narcotic effect <input type="checkbox"/> Cyanosis <input type="checkbox"/> Asphyxiant <input checked="" type="checkbox"/> Other(Specify: <u>see lung effects</u>) <u>Lung Effects:</u> <input checked="" type="checkbox"/> Acute, may cause coughing, shortness of breath <input checked="" type="checkbox"/> Chronic, may affect breathing capacity <u>Other:</u> <input type="checkbox"/> Repeated contact skin defatter <input type="checkbox"/> Other (specify _____) <input checked="" type="checkbox"/> None Known
Emergency First Aid	<u>Ingestion:</u> <input type="checkbox"/> Induce vomiting <input type="checkbox"/> Do not induce vomiting <input type="checkbox"/> Give plenty of water <input checked="" type="checkbox"/> Get medical attention <input type="checkbox"/> Other (specify: _____) <u>Inhalation:</u> <input checked="" type="checkbox"/> Remove to fresh air <input checked="" type="checkbox"/> If not breathing, give artificial respiration <input type="checkbox"/> Give oxygen <input checked="" type="checkbox"/> Get medical attention <input type="checkbox"/> Other (specify _____)	<u>Dermal:</u> <input checked="" type="checkbox"/> Flush with soap and water <input type="checkbox"/> Get medical attention <input type="checkbox"/> Contaminated clothing, remove and launder <input type="checkbox"/> Contaminated shoes, destroy <input type="checkbox"/> Other (specify _____) <u>Eye Contact:</u> <input checked="" type="checkbox"/> Flush with plenty of water for at least 15 minutes <input checked="" type="checkbox"/> Get medical attention <input type="checkbox"/> Other (specify _____)
Special Protection Information	<u>Ventilation Requirements - Always maintain exposure below permissible exposure limits:</u> <input type="checkbox"/> Consult an industrial hygienist or environmental health specialist <input checked="" type="checkbox"/> Local exhaust <input checked="" type="checkbox"/> Use with adequate ventilation <input type="checkbox"/> Check for air contaminant and oxygen deficiency <input checked="" type="checkbox"/> Other (specify See OSHA 29CFR1910.24 and 29CFR1910.1000) <u>Eye:</u> <input type="checkbox"/> Face shield and goggles <input type="checkbox"/> Safety glasses <input checked="" type="checkbox"/> Goggles	<u>Hand (glove type):</u> <input type="checkbox"/> Butyl rubber <input type="checkbox"/> Polyvinyl alcohol <input type="checkbox"/> Polyvinyl chloride <input type="checkbox"/> Neoprene <input type="checkbox"/> Natural rubber <input type="checkbox"/> Polyethylene <input checked="" type="checkbox"/> Other(specify: as desired by the user) <u>Respirator Type- use only NIOSH approved equipment:</u> <input type="checkbox"/> Self-contained <input type="checkbox"/> Supplied air <input type="checkbox"/> Can or cartridge gas or vapor <input checked="" type="checkbox"/> Filter- dust, fume, mist <input type="checkbox"/> Other(specify _____) <u>Other Protective Equipment:</u> <input type="checkbox"/> Rubber boots <input type="checkbox"/> Apron <input type="checkbox"/> Other(specify _____) <input checked="" type="checkbox"/> NAIF
Special Precautions	<u>Precautionary Measures:</u> <input type="checkbox"/> Wash thoroughly after handling <input type="checkbox"/> Do not get in eyes, on skin or clothing <input type="checkbox"/> Do not breathe dust, vapor, mist, gas <input type="checkbox"/> Keep container closed <input type="checkbox"/> Keep away from heat, sparks, open flame <input type="checkbox"/> Store in tightly closed containers <input type="checkbox"/> Do not store near combustibles <input type="checkbox"/> Keep from contact with clothing and other combustible material <input type="checkbox"/> Empty container may contain hazardous residues <input type="checkbox"/> Use explosion proof equipment <input type="checkbox"/> Other(specify _____) <input checked="" type="checkbox"/> NAIF	Other Handling and Storage Conditions: None, registered under Toxic Substances Control Act, (Title 40 CFR Part 710)
Prepared By: Carolyn Ketcham		Date: June 23, 1998
Please Note: "The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control. S.S. White makes no warranty; either express or implied, with respect to the completeness or continuing accuracy of the information contained herein. S.S. White disclaims all liability for reliance thereon." **** NAIF - (NE) No applicable information found. *** N/A - Not applicable.		