

S.S. White Technologies, Inc.

151 Old New Brunswick Road, Piscataway, NJ 08854 • Phone 732-752-8300 • 800-SS-WHITE • FAX 732-752-8333

Product Identification	<u>S.S. White Product Name:</u> AccuBRADE -10 <u>Blend #:</u> 5 <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 <u>NFPA Codes (Ratings):</u> Flammability - 0, Health - 1, Hazard - , Reactivity - 0
Hazardous Ingredients	<u>Materials or Components:</u> Alpha Alumina (Aluminum Oxide) Al₂O₃ Impurities SiO₂+Fe₂O₃+CAO+MgO+NAO+K₂O <u>Hazardous Data (TLV, LD50, LC50, ETC.):</u> TLV (ACG1H) 10 Mg/M³; Not a carcinogen	<u>%WW</u> 99.0 <1.0
Shipping Information		
Physical Properties	<u>Boiling Point:</u> NAIF °C °F <u>Melting Point:</u> 1900 °C °F <u>Freezing Point:</u> N/A °C °F <u>Molecular Weight(Calculated):</u> NAIF <u>Specific Gravity (H₂O+1):</u> 3.95 @ 22°C ROOM (72°F) <u>Vapor Pressure (mm hg):</u> NAIF @ °C °F	<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, white, no odor <u>Other:</u> NAIF
Fire and Explosion Data	<u>Flash Point:</u> Test Method; NAIF °C °F <u>Flammable Limits:</u> N/A Lower % Upper % <u>Autoignition temperature:</u> N/A °C °F <u>Extinguishing media:</u> <input type="checkbox"/> Water Spray <input type="checkbox"/> Water Fog <input type="checkbox"/> Water Stream <input type="checkbox"/> CO ₂ <input type="checkbox"/> Dry Chemical <input type="checkbox"/> Alcohol foam <input type="checkbox"/> Foam <input type="checkbox"/> Earth or sand 4 N/A	<u>Special Fire Fighting Procedures:</u> <input type="checkbox"/> Do not enter building <input type="checkbox"/> Allow fire to burn <input type="checkbox"/> Water may cause frothing <input type="checkbox"/> Do not use water <input type="checkbox"/> Use self-contained breathing apparatus 4 None <u>Unusual Fire and Explosion Hazards:</u> <input type="checkbox"/> Dust explosion hazard <input type="checkbox"/> Sensitive to shock <input type="checkbox"/> Contamination <input type="checkbox"/> Temperature (Specify _____) 4 None
Reactivity Data	<u>Stability:</u> 4 Stable <input type="checkbox"/> Unstable <u>Conditions Contributing to Instability:</u> <input type="checkbox"/> Thermal decomposition <input type="checkbox"/> Photo degradation <input type="checkbox"/> Polymerization <input type="checkbox"/> Contamination <u>Incompatibility (Avoid contact with):</u> <input type="checkbox"/> Strong acids <input type="checkbox"/> Strong alkalis <input type="checkbox"/> Strong oxidizers 4 Other (specify <u>NAIF</u>)	<u>Hazardous Decomposition Products (Thermal and otherwise-list):</u> NAIF <u>Conditions to Avoid:</u> 4 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 4 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 adverse effects, but ingestion is recommended. Obtain first aid or medical assistance as needed. <u>Dermal (acute):</u> Not absorbed through skin; may cause abrasion. <u>Inhalation (acute):</u> May cause coughing, shortness of breath. Remove to fresh air; apply artificial respiration as needed. Obtain first aid or medical assistance as needed.	<u>Eye (Dust):</u> may irritate eyes, Wash with large amounts of water, obtain first aid or medical assistance, if needed. <u>Chronic, Subchronic, Etc.:</u> Inhalation- may affect breathing capacity <u>Other Potential Health Risks:</u> Not Known
Effects of Exposure	<u>Permissible Exposure Limit (specify if TLV/TWA or Ceiling [c]):</u> ACGIH 19 86 10 mg/M³ <u>Other:</u> OSHA 19 86 15 mg/M³ <u>Irritation:</u> <input type="checkbox"/> Skin, Severe 4 Skin, Moderate <input type="checkbox"/> Eye, Severe 4 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 4 NAIF	<u>Sensitization:</u> <input type="checkbox"/> Skin <input type="checkbox"/> Respiratory <input type="checkbox"/> Allergen 4 NAIF <u>Inhalation Effects:</u> <input type="checkbox"/> Narcotic effect <input type="checkbox"/> Cyanosis <input type="checkbox"/> Asphyxiant <u>Lung Effects:</u> 4 Acute, may cause coughing, shortness of breath 4 Chronic, may affect breathing capacity <u>Other:</u> <input type="checkbox"/> Repeated contact skin defatter <input type="checkbox"/> Other (specify _____) 4 None Known
	<u>Ingestion:</u> <input type="checkbox"/> Induce vomiting <input type="checkbox"/> Do not induce vomiting	<u>Dermal:</u> 4 Flush with soap and water <input type="checkbox"/> Get medical attention

