

# S.S. White Technologies, Inc.

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

<b>Product Identification</b>	<u>S.S. White Product Name:</u> AccuCUT 50 <u>Blend #:</u> 8 <u>Chemical Name:</u> Silicon Carbide <u>Molecular Formula:</u> SiC	<u>Chemical Family:</u> Refractory Carbide <u>Synonyms:</u> Carborundum, Crystolon <u>CAS No.(s):</u> 1344-28-1 (Al2O3) ; 13463-67-7 (TiO2) <u>NFPA Codes (Ratings):</u> Flammability - 0, Health - 1, Hazard - , Reactivity - 0
<b>Hazardous Ingredients</b>	<u>Materials or Components:</u> - <b>Silicon Carbide SiC</b> Contains less than 1% crystalline silica <u>Hazardous Data (TLV, LD50, LC50, ETC.):</u> <b>TLV (ACG1H) 10 mg/M<sup>3</sup>; Not a carcinogen</b>	<u>%WW</u> 98+
<b>Shipping Information</b>		
<b>Physical Properties</b>	<u>Boiling Point:</u> Sublimates <u>Melting Point:</u> Dissociates @ 2300° C <u>Freezing Point:</u> N/A <u>Molecular Weight(Calculated):</u> NAIF <u>Specific Gravity (H<sub>2</sub>O+1):</u> 3.2 @ ambient <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, black or green, no odor <u>Other:</u> NAIF
<b>Fire and Explosion Data</b>	<u>Flash Point:</u> Test Method; NAIF <u>Flammable Limits:</u> N/A <u>Auto-ignition temperature:</u> N/A <u>Extinguishing media:</u> ☑ Water Spray ☑ Water Fog ☑ Water Stream ☑ CO <sub>2</sub> ☑ Dry Chemical ☑ Alcohol foam ☑ Foam ☑ Earth or sand ☐ N/A	<u>Special Fire Fighting Procedures:</u> ☑ Do not enter building ☑ Allow fire to burn ☑ Water may cause frothing ☑ Do not use water ☑ Use self-contained breathing apparatus ☐ None <u>Unusual Fire and Explosion Hazards:</u> ☑ Dust explosion hazard ☑ Sensitive to shock ☑ Contamination ☑ Temperature (Specify _____) ☐ None
<b>Reactivity Data</b>	<u>Stability:</u> ☐ Stable ☑ Unstable <u>Conditions Contributing to Instability:</u> ☑ Thermal decomposition ☑ Photo degradation ☑ Polymerization ☑ Contamination <u>Incompatibility (Avoid contact with):</u> ☑ Strong acids ☑ Strong alkalis ☑ Strong oxidizers ☑ Other (specify)	<u>Hazardous Decomposition Products (Thermal and otherwise-list):</u> NAIF <u>Conditions to Avoid:</u> ☐ NAIF ☑ Heat ☑ Open flames ☑ Sparks ☑ Ignition sources ☑ Other (Specify _____)
<b>Spill or Leak</b>	<u>Steps To Be Taken If Material Is Released Or Spilled:</u> ☑ Flush With Water ☑ Absorb with Sand ☑ Neutralize or inert material ☐ Sweep or Scoop up and remove ☑ Keep upwind evacuate enclosure ☑ Dispose of immediately ☑ 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.
<b>Toxicity</b>	<u>Oral (acute):</u> No adverse effects, but ingestion is not 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
<b>Effects of Exposure</b>	<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 <sup>3</sup> <u>Irritation:</u> ☑ Skin, Severe ☐ Skin, Moderate ☑ Eye, Severe ☐ Eye, Moderate ☑ Eye, Mild(transient) <u>Corrosively:</u> ☑ Skin, 4 hours (DOT) ☑ Skin, 24 hours (CPSC) ☑ Eye, May cause blindness ☐ NAIF	<u>Sensitization:</u> ☑ Skin ☑ Respiratory ☑ Allergen ☐ NAIF <u>Inhalation Effects:</u> ☑ Narcotic effect ☑ Cyanosis ☑ Asphyxiant ☐ See lung effects <u>Lung Effects:</u> ☐ Acute, may cause coughing, shortness of breath ☐ Chronic, may affect breathing capacity <u>Other:</u> ☑ Repeated contact skin defatter ☑ Other (specify _____) ☐ None Known

