

# S.S. White Technologies, Inc.

151 Old New Brunswick Road, Piscataway, NJ 08854-3761 • Phone 732-752-8300 • 800-SS-WHITE • FAX 732-752-8333

## Material Safety Data Sheet

<b>Product Identification</b>	S.S. White Product Name AccuCLEAN™ - 50 Powder # 4		S.S. White Code No.	NFPA Codes (Ratings) Flammability - , Health - , Hazard - , Reactivity -	
	Chemical Name and Molecular Formula Sodium Bicarbonate NaHCO <sub>3</sub>			CAS No.(s)	
	Synonyms Baking Soda			Chemical Family Alkali	
<b>Hazardous Ingredients</b>	MATERIALS OR COMPONENTS		% W/W	HAZARD DATA (TLV, LD50, LC50, ETC.)	
	Sodium Bicarbonate NaHCO <sub>3</sub>		99+	Total dust levels not established; not a carcinogen.	
<b>Shipping Information</b>	Standard Truck				
<b>Physical Properties</b>	Boiling Point ****NAIF °C °F	Melting Point ****NAIF °C °F		Freezing Point ***N/A °C °F	Molecular Weight (calculated) ****NAIF
	Specific Gravity 60 LB/FT <sup>3</sup> @ 72 ROOM °F		Vapor Pressure (mm hg) **** NAIF @ °C °F		Vapor Density (Air=1) ****NAIF
	Solubility in Water 16g/100ml @ 60°C	% Volatiles by Volume **** NAIF	Evaporation Rate ****NAIF Ether=1 Water=1 Butylacetate=1		
	Appearance and Odor WHITE POWDER, NO ODOR			Other NAIF	
<b>Fire and Explosion Data</b>	Flash Point **** NAIF °C °F	Test Method	Flammable Limits ***N/A Lower % Upper %		Autoignition Temperature/Fire Point *** N/A °C °F
	Extinguishing Media Water-spray Water-fog Water-stream CO2 Chemical Dry foam Alcohol Foam Sand Earth or *** N/A				
	Special Fire Fighting Procedures Do not enter building Allow fire to burn Water may cause frothing water Do not use breathing apparatus Use self contained *** NONE				
	Unusual Fire and Explosion Hazards Dust explosion hazard Sensitive to shock Contamination Temperature (specify): NONE Other ****				
<b>Reactivity Data</b>	Stability *** Stable Unstable		Conditions Contributing to Instability Thermal decomposition Photo degradation Polymerization Contamination		
	Incompatibility - Avoid contact with **** Strong acids Strong alkalis Strong oxidizers Other (specify): REACTS WITH ACIDS TO EVOLVE CO <sub>2</sub> , H <sub>2</sub> O, NaCl				
	Hazardous Decomposition Products - Thermal and Otherwise (list) NAIF				
	Conditions to Avoid NAIF Heat Open Flames Sparks Ignition Sources Other (specify):				
<b>Spill or Leak</b>	Steps To Be Taken If Material Is Released Or Spilled Flush With Water Absorb with Sand or Inert Material Neutralize up and remove ****Sweep or Scoop up and remove Keep upwind evacuate enclosure Dispose of Immediately Other (specify):				
	Waste Disposal Method - <i>consult federal, state, or local authorities for proper procedures.</i> <b>Standard landfill methods consistent with applicable federal, state, and local laws.</b>				

<b>Toxicity</b>		Oral (acute) SEE NOTE 1 (BELOW)	
		Dermal (acute) Not absorbed through skin	
<b>Toxicity</b>		Eye IRRITANT Wash with large amounts of water, obtain first aid or medical assistance, if needed	Inhalation (acute) May cause coughing, shortness of breath. Remove to fresh air; apply artificial respiration as needed. Obtain first aid or medical assistance as needed.
<b>Toxicity</b>		Chronic, Subchronic, etc. NOTE 1: GROSS INGESTION (1/2 LB.+) MAY CAUSE ALKALOSIS; HOWEVER, AS A NATURAL MATERIAL IN THE BODY, IT IS WELL TOLERATED. OTHER POTENTIAL HEALTH RISKS Not known.	
<b>HEALTH HAZARDOUS INFORMATION</b>	<b>EFFECTS OF EXPOSURE</b>	Permissible Exposure Limit (specify if TLV/TWA or Ceiling [c]) Other: ACGIH 19.86 ****NAIF OSHA 19.86 ****NAIF	
		Irritation Skin severe moderate *** Eye severe *** moderate mild (transient)	
		Corrosivity Skin 4 hrs. (DOT) 24 hrs. (CPSC) Eye May cause blindness **** NAIF	
		Sensitization Skin Respiratory Allergen ****NAIF Inhalation Effects Narcotic effect Cyanosis Asphyxiant	
		Lung Effects (specify): Acute, May cause coughing, shortness of breath. Chronic May affect breathing capacity.	
		Other Repeated Contact Skin Defatter Other (specify): **** None known	
	<b>EMERGENCY FIRST AID</b>	Ingestion GROSS Do Not **** Induce vomiting Induce vomiting **** Give plenty of water ****Get medical attention Other (specify):	
		Inhalation **** If not breathing ****Remove to fresh air Give artificial respiration Give oxygen **** Get medical attention Other (specify):	
		Dermal Contaminated ****Flush with soap and water Get medical attention clothing - remove & launder Contaminated shoes - destroy Other (specify):	
		Eye Contact ****Flush with plenty of water for at least 15 minutes ****Get medical attention Other (specify):	
<b>Special Protection Information</b>		Ventilation Requirements - <i>Always maintain exposure below permissible exposure limits</i> Consult an industrial hygienist or environmental health specialist Local exhaust Use with adequate ventilation Check for air contaminant and oxygen deficiency **** Other (specify): See OSHA 29CFR1910.24 and 29CFR1910.1000	
		Eye Face shield and goggles Safety glasses **** Goggles	Hand (glove type) Butyl rubber Polyvinyl alcohol **** Other (specify): Polyvinyl Chloride Neoprene Natural rubber Poly-ethylene As desired by user
		Respirator Type - <i>use only NIOSH approved equipment</i> Self-contained Supplied air Can or cartridge gas or vapor ****Filter - dust, fume, mist Other (specify):	
		Other Protective Equipment Rubber boots Apron Other (specify): ****NAIF	
<b>Special Precautions</b>		Precautionary Measures Wash thoroughly after handling Do not get in eyes, on skin or clothing Do not breath dust, vapor, mist, gas closed Keep container sparks, open flame Keep away from heat Store in tightly closed containers Do not store near combustibles Keep from contact with clothing and other combustible material Empty container may contain hazardous residues Use explosion proof equipment Other (specify): ****NAIF	

Other Handling and Storage Conditions

**STORE IN A COOL DRY PLACE**

Prepared By

Date

Address

Phone

Carolyn Ketcham

6/14/2010

151 Old New Brunswick Road Piscataway, NJ 08854

(908) 752-8300

**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.