

----- MATERIAL SAFETY DATA SHEET -----

Sani-Fresh

SANI-TUFF(R) BODY SHAMPOO

Body Wash & Shampoo  
 Products: Sani-Fresh(R) Body Wash & Shampoo, Sani-Tuff(R)  
 Body Shampoo

May be used to comply with OSHA's Hazard Communication  
 Standard (29 CFR Sec. 1910.1200). Standard must be  
 consulted for specific requirements.

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 SECTION 1  
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Date Prepared: August 11, 1999  
 Manufacturers Name: Sani-Fresh International  
 A Division of Kimberly-Clark Tissue Co.  
 Address: 4702 Goldfield, San Antonio, TX 78218  
 Telephone Numbers:  
 MEDICAL EMERGENCY: 1-800-228-5635 Extension 140  
 TRANSPORTATION EMERGENCY: N/A  
 INFORMATION: 1-888-346-4652

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 SECTION 2 HAZARDOUS INGREDIENTS/IDENTITY  
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Hazardous Component(s)	OSHA PEL	ACGIH TLV	%	CAS No.
Sodium Laureth Sulfate	NE	NE	20-40	9004-82-4
Sodium Chloride	NE	NE	<5	7647-14-5
Cocamidopropyl Betaine	NE	NE	1-10	61789-40-0
Non-Hazardous Ingredients*			Bal.	

\*Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard (29 CFR Sec. 1910.1200).

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 SECTION 3 PHYSICAL & CHEMICAL CHARACTERISTICS  
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Boiling Point: >212 deg F  
 Specific Gravity (H2O=1): 1.015 to 1.025  
 Vapor Pressure (mm Hg): <18  
 Vapor Density (Air = 1): <1  
 Solubility in Water: Complete  
 Reactivity in Water: None  
 Appearance and Odor: Green Gel with Citrus Odor  
 Melting Point: NE  
 pH: 5.5 to 6.5  
 Evaporation Rate (BuAc=1): <1  
 Percent Volatile By Volume (%) (Minus Water): <10

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 SECTION 4 FIRE AND EXPLOSION DATA  
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Flash Point: N/A  
 Method Used: N/A  
 Flammable Limits in Air % By Volume  
 LEL Lower: N/A  
 UEL Upper: N/A  
 Auto-Ignition Temperature: N/A  
 Extinguisher Media: Use media suitable for surrounding materials  
 Special Fire Fighting Procedures: No special procedures required  
 Unusual Fire and Explosion Hazards: None known

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 SECTION 5 PHYSICAL HAZARDS (REACTIVITY DATA)  
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Stability: Normally stable  
 Conditions to Avoid: None under normal use conditions  
 Incapability - Materials to Avoid: Strong oxidizers  
 Hazardous - Decomposition Products: Carbon Monoxide, Carbon Dioxide  
 Hazardous Polymerization: Does not occur

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 SECTION 6 HEALTH HAZARDS  
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Symptoms/Effects of Overexposure:  
 INHALATION: Inhalation of mist may cause respiratory irritation.  
 SKIN: Prolonged contact may cause mild skin irritation in sensitive individuals.  
 EYE: Contact may cause burning and irritation.  
 INGESTION: May cause nausea  
 Medical Conditions Generally Aggravated by Exposure: None known  
 Emergency First Aid:  
 INHALATION: Move victim to fresh air. Get medical help if irritation persists.  
 SKIN: Wash affected area with large amounts of water. Get medical help if irritation persists.  
 EYES: Immediately flush eyes with large amount of water for at least 15 minutes while holding the eye lids open. Get prompt medical attention.  
 INGESTION: Contact local Poison Control Center or physician IMMEDIATELY.  
 Routes of Entry:  
 Inhalation: Highly unusual  
 Eyes: May occur  
 Skin: May occur but unlikely  
 Ingestion: May occur but unlikely  
 Chemical Listed as Carcinogen or Potential Carcinogen:  
 National Toxicology Program: No  
 I.A.R.C: No  
 OSHA: No

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 SECTION 7 SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES  
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Precautions to be taken in handling and storage: Recommend storage between 40 deg F (5 deg C) and 100 deg F (37 deg C).  
 Steps to be taken in case material is released or spilled:  
 Clean up with absorbent material.  
 Waste Disposal Methods (Consult Federal, State & Local Regulations): Dispose in accordance with Federal, State & Local Regulations.

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 SECTION 8 SPECIAL PROTECTION INFORMATION/CONTROL MEASURES  
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Respiratory Protection: Not normally required.  
 Ventilation: Not normally required.  
 Protective Gloves: None  
 Eye Protection: Not normally required.  
 Other Protective Clothing or Equipment: None  
 Work/Hygienic Practices: Clean up all spills immediately.  
 Practice good personal hygiene.  
 Hazardous Materials Identification System Rating (HMIS)  
 Health - 0  
 Fire - 0  
 Reactivity - 0  
 Personal Protection - None generally needed  
 NOTE: The selection of personal protective equipment should be made by the material used based on the particular plant conditions where the material is to be used together with information contained in the product MSDS.

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 NE means Not Established  
 N/A means Not Applicable

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to the suitability of the information for their  
particular purpose(s). This MSDS is the most recent  
received from the product manufacturer or  
distributor.  
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