

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

Sani-Fresh

SANI-FRESH(R) SPECTRACARE(R) SKIN CLEANSER

Spectracare(R) Skin Cleanser  
 Products: KimCare(TM) Spectracare(R) Skin Cleanser, Sani-Fresh(R) Spectracare(R) Skin Cleanser  
 May be used to comply with OSHA's Hazard Communication Standard (29 CFR Sec. 1910.1200). Standard must be consulted for specific requirements.

-----  
 SECTION 1  
 -----

Date Prepared: October 8, 1998  
 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

-----  
 SECTION 2 HAZARDOUS INGREDIENTS/IDENTITY  
 -----

Hazardous Component(s)	OSHA PEL	ACGIH TLV	%	CAS No.
Ethanolamine	3ppm	3ppm	<5	141-43-5
Sodium Sulfate	NE	NE	<5	7727-73-3
Coconut Acid	NE	NE	<20	61788-47-4
4-Chloro-3,-5-Xylenol (Chloroxylenol)	NE	NE	<5	88-04-0
Non-Hazardous Ingredients*	N/A	N/A	Bal.	N/A

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

-----  
 SECTION 3 PHYSICAL & CHEMICAL CHARACTERISTICS  
 -----

Boiling Point: 200-220 deg F  
 Specific Gravity (H2O=1): 1.03 to 1.05  
 Vapor Pressure (mm Hg): <18  
 Vapor Density (Air = 1): <1  
 Solubility in Water: Complete  
 Reactivity in Water: None  
 Appearance and Odor: Pearlized Green to Blue-Green Color with Spicy Odor  
 Melting Point: NE  
 pH: 8.5 - 9.5  
 Evaporation Rate (BuAc=1): <1  
 Percent Volatile By Volume (%) (Minus Water): <30

-----  
 SECTION 4 FIRE AND EXPLOSION DATA  
 -----

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

-----  
 SECTION 5 PHYSICAL HAZARDS (REACTIVITY DATA)  
 -----

Stability: Normally stable  
 Conditions to Avoid: None under normal use conditions  
 Incapability - Materials to Avoid: None known  
 Hazardous - Decomposition Products: Oxides of carbon, nitrogen, and sulfur  
 Hazardous Polymerization: Does not occur

-----  
 SECTION 6 HEALTH HAZARDS  
 -----

Symptoms/Effects of Overexposure:  
 INHALATION: Inhalation of mist may cause respiratory irritation. Inhalation studies have shown that laboratory animals exposed to extremely high concentrations of ethanolamine have exhibited kidney and liver damage.  
 SKIN: Prolonged contact may cause mild skin irritation in sensitive individuals.  
 EYE: Contact may cause burning and irritation.  
 INGESTION: May cause nausea, vomiting and diarrhea.  
 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

-----  
 SECTION 7 SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES  
 -----

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.

-----  
 SECTION 8 SPECIAL PROTECTION INFORMATION/CONTROL MEASURES  
 -----

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 - A (Safety Glasses)  
 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.

NE means Not Established  
 N/A means Not Applicable

Sani-Fresh

SANI-FRESH(R) SPECTRACARE(R) SKIN CLEANSER

-----  
DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:  
Although preparer and owner have taken reasonable  
care in the preparation of this document, we  
extend no warranties and make no representation  
as to the accuracy or completeness of the information  
contained herein, and assume no responsibility  
regarding the suitability of this information for  
the user's intended purposes or for the consequences  
of its use. Each user should make a determination as  
to the suitability of the information for their  
particular purpose(s). This MSDS is the most recent  
received from the product manufacturer or  
distributor.  
-----

COMPAS Code: 48180180