

**MATERIAL SAFETY DATA SHEET**  
**Waterless Cleanser with Grit**

**Products:** Sani-Tuff® Waterless Cleanser with Grit, Krew Waterless Cleanser with Grit

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**

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... Chemtrec 1-800-424-9300  
INFORMATION..... 1-888-346-4652

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**SECTION 2**

**HAZARDOUS INGREDIENTS/IDENTITY**

<u>Hazardous Component(s)</u>	<u>OSHA</u>	<u>ACGIH</u>	<u>%</u>	<u>CAS</u>
	<u>PEL</u>	<u>TLV</u>		<u>No.</u>
Tetradecene (Mixture)	NE	NE	1-10	UN
d-Limonene (Dipentene)	NE	NE	1-10	5989-27-5
Mineral Oil*	5MG/M3	5MG/M3	5-15	8042-47-5
Triethanolamine	NE	NE	<5	102-71-6
C11-C12 Isoparaffin	NE	NE	5-25	64742-48-9
Oleic Acid	NE	NE	<5	112-80-1
Polyethylene	NE	NE	0-5	9002-88-4
Non-Hazardous Ingredients**	N/A	N/A	Bal.	N/A

\*As Mist

\*\*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**

Boiling Point	NE
Specific Gravity (H2O=1)	0.900 ± 0.01
Vapor Pressure (mm Hg)	NE
Vapor Density (Air = 1)	NE
Solubility in Water	Appreciable
Reactivity in Water	None
Appearance and Odor	White Creamy Lotion with Citrus Odor
Melting Point	N/A
pH	7.5 to 8.5
Evaporation Rate (BuAc=1)	<1
Percent Volatile	
By Volume (%) (Minus Water)	30-40%

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**SECTION 4**  
**FIRE AND EXPLOSION DATA**

Flash Point	147°F
Method Used	Penske-Martens Closed Cup ASTM D-93
Flammable Limits in Air % By Volume	
LEL Lower	NE
UEL Upper	NE
Auto-Ignition Temperature	NE
Extinguisher Media	Foam, dry chemical or carbon dioxide
Special Fire Fighting Procedures	Use supplied air breathing equipment for enclosed or confined spaces or as otherwise needed.
Unusual Fire and Explosion Hazards	None known to Sani-Fresh

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

Stability:	Stable
Conditions to Avoid:	Normally stable. Avoid heat and open flames.
Incapability -	
Materials to Avoid:	Strong oxidants (such as liquid chlorine and sodium hypochlorite)
Hazardous -	
Decomposition Products:	Fumes, smoke, carbon monoxide and other decomposition products in case of incomplete combustion
Hazardous Polymerization:	Will not occur

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**SECTION 6**  
**HEALTH HAZARDS**

Symptoms/Effects of Overexposure:

INHALATION:	Inhalation of mist may cause respiratory irritation.
SKIN:	Prolonged contact may cause skin irritation in sensitive individuals.
EYES:	Contact may cause redness and possibly severe irritation of eyes.
INGESTION:	May cause irritation of mouth, throat, chest and abdomen, 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
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**

Precautions to be taken in handling and storage:

Recommend storage between 40°F (5°C) and 100°F (37°C).

Other Precautions:

None

Steps to be taken in case material is released or spilled:

Remove heat and ignition sources; ventilate the area; clean up with absorbent materials.

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**

Respiratory Protection:	Not normally required.
Ventilation:	Not generally needed.
Protective Gloves:	Not normally needed.
Eye Protection:	If potential for eye contact exists, wear safety glasses or chemical goggles.
Other Protective Clothing or Equipment:	None normally required.
Work/Hygienic Practices:	Clean up all spills immediately. Practice good personal hygiene.
Mechanical:	Adequate
Local Exhaust:	Adequate
Special:	N/A
Other:	N/A

**Hazardous Materials Identification System Rating (HMIS)**

Health	- 1
Fire	- 2
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 Available

UN means Unavailable

**IMPORTANT:** Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate.