



Kimberly-Clark Corporation

MATERIAL SAFETY DATA SHEET

1. Chemical Product and Company Identification

PRODUCT NAME: SANI-TUFF® HEAVY DUTY HAND CLEANING WIPES

MANUFACTURER: Sani-Fresh International
A Division of Kimberly-Clark Corporation
4702 Goldfield
San Antonio, TX 78218
United States of America

ISSUE DATE: 19 Feb 01
REPLACES: 23 Aug 00

MEDICAL EMERGENCY:
1-877-561-6587

INTERNAL NUMBER: MSD-013

TRANSPORTATION EMERGENCY:
Chemtrec 1-800-424-9300

CHEMICAL NAME: Mixture

CHEMICAL FORMULA: Proprietary

SYNONYMS/Common Names: Wet wipes

INFORMATION:
1-888-346-4652

PRODUCT USE: Hand cleanser/personal consumption

2. Composition/Information on Ingredients

<u>Component Name</u>	<u>CAS Number</u>	<u>% by wt</u>	<u>OSHA PEL</u>	<u>ACGIH TLV (2000)</u>
d-Limonene	5989-27-5	0-10	none	none
PEG Castor Oil	61791-12-6	0-10	none	none
PEG Oleate	9004-96-0	0-10	none	none
Non-Hazardous Ingredients (as defined per 29 CFR 1910.1200)	proprietary	70-100	none	none

3. Hazards Identification

***** Emergency Overview *****

- * Turbid white liquid with citrus odor on a polypropylene towel. CAUTION: Slip Hazard. *
- * Avoid sparks, flame and excessive heat. *

ACUTE: Towel and/or liquid may be irritating to eyes.

CHRONIC: Prolonged contact may cause mild skin irritation in sensitive individuals.

ROUTES OF EXPOSURE: Ingestion, skin contact

CARCINOGENICITY: Does not contain any carcinogens listed by IARC, NTP or OSHA.

MEDICAL CONDITIONS AGGRIVATED BY EXPOSURE: None known.

4. First Aid Measures

EYES: Flush eyes with plenty of water for at least 15 minutes. Seek advice of medical personnel if redness, swelling, itching, burning or visual disturbances occur.

SKIN: This product intended for use on the skin. If contact with molten polymer, cool rapidly under running water. Seek advice of medical personnel if redness, swelling, itching, or burning occurs.

INHALATION: Remove to fresh air. Seek advice of medical personnel if cough, shortness of breath or other respiratory problems occur.

4. First Aid Measures (continued)

INGESTION: Not a likely route of exposure. However, if large volumes swallowed, contact Poison Control Center or medical personnel IMMEDIATELY. Give several glasses of water to drink. Never give anything by mouth to an unconscious person. Seek advice of medical personnel if gastrointestinal symptoms occur.

5. Fire Fighting Measures

FLASH POINT: Not applicable METHOD: Not applicable

Sani-Tuff® Heavy Duty Hand Cleaning Wipes were tested for flammability per DOT criteria. Product does not meet the DOT definition for Flammable Solid or Flammable Liquid.

AUTOIGNITION TEMPERATURE: Not applicable

FLAMMABLE LIMITS IN AIR, BY % VOLUME:

UPPER: Not applicable

LOWER: Not applicable

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam or water spray

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing. Use water to keep fire-exposed containers cool. Polymer towel will decompose under fire conditions. The associated smoke may contain polymer fragments of varying compositions in addition to toxic and/or irritating compounds.

FIRE AND EXPLOSION HAZARD: No unusual hazards.

6. Accidental Release Measures

CAUTION: Slip Hazard

Remove ignition sources. Ventilate the area. Clean up excess material and place in container for reclaim, recycle or disposal. Comply with all federal, state and local regulations.

7. Handling and Storage

Store in cool dry areas between 40 °F (5 °C) and 100 °F (37 °C). Avoid sparks, flame and excessive heat.

8. Exposure Controls/Personal Protective Equipment

ENGINEERING CONTROLS: General room ventilation plus local exhaust at points of emission to reduce exposure to fumes during processing.

PERSONAL PROTECTIVE EQUIPMENT: None required. This product intended for human skin contact. Regular handwashing along with general body-covering clothing, safety goggles and gloves are recommended as good industrial hygiene practice.

9. Physical and Chemical Properties

APPEARANCE AND ODOR: Turbid white liquid with citrus odor on a polypropylene towel

BOILING POINT: 200-220 °F (93.3-104.4°C) for the liquid portion

MELTING POINT: Not applicable

SPECIFIC GRAVITY: 0.97 – 0.98

9. Physical and Chemical Properties (continued)

VAPOR PRESSURE: Not available

VAPOR DENSITY (Air = 1): Less than 1

SOLUBILITY IN WATER: Soluble

VOLATILE (VOC) CONTENT: Less than 10% by volume (minus water)

EVAPORATION RATE (BuAc = 1): Greater than 1

pH: 7.5 to 8.5

10. Stability and Reactivity

CHEMICAL STABILITY: STABLE UNSTABLE

HAZARDOUS POLYMERIZATION: OCCURS WILL NOT OCCUR

REACTS WITH: Strong oxidizers and acids

11. Toxicological Information

Skin Irritation = No irritation was seen during human dermal patch testing.

Oral LD₅₀ (rat) = Greater than 5000 mg/kg (on similar formulation).

Eye Irritation (rabbit) = Non-irritating (on similar formulation).

Towel may be a mechanical irritant.

12. Ecological Information

No data available

13. Disposal Considerations

Dispose of all waste materials in accordance with all applicable federal, state, and local regulations.

14. Transport Information

DOT INFORMATION: Not Regulated

15. Regulatory Information

FEDERAL:

All components are either listed on or exempted from TSCA.

Does not contain any substances reportable under SARA Title III.

STATE:

California Proposition 65:

This product does not contain any component(s) listed per the Safe Drinking Water and Toxic Enforcement Act of 1986.

OTHER:

HMIS® Rating: Health 1 Flammability 1 Reactivity 0

16. Other Information

ACGIH = American Conference of Governmental Industrial Hygienists
C = Ceiling (concentration not to exceed during any part of the working exposure)
DOT = Department of Transportation (US government)
EINECS = European Union Inventory of Existing Chemical Substances
EPA = Environmental Protection Agency (US government)
IARC = International Agency for Research on Cancer
NTP = National Toxicology Program (US Department of Health and Human Services)
OSHA = Occupational Safety and Health Administration (US government)
PEL = Permissible Exposure Limit (as prescribed by OSHA)
RCRA = Resource Conservation and Recovery Act (US EPA)
SARA = Superfund Amendment and Reauthorization Act, Title III (US EPA)
STEL = Short-Term Exposure Limit (15 minutes)
TLV = Threshold Limit Value (as prescribed by ACGIH)
TSCA = Toxic Substances Control Act (US EPA)
TWA = Time Weighted Average (8 hours)

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