

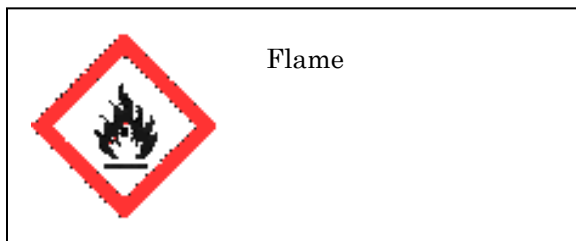
**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING****Product Name:** KLEENEX® Green Certified Foam Hand Sanitizer**Product Number:** 33939, 33941, 33942, 33943, 33945, 33946, 33947, 33948, 33949, 33951

Date Prepared:	2/2/2012
Manufacturer:	Kimberly-Clark Corporation 1400 Holcomb Bridge Road Roswell, GA 30076-2199 United States of America
Contact:	MEDICAL EMERGENCY  1-877-561-6587  TRANSPORTATION EMERGENCY Chemtrec 1-800-424-9300 INFORMATION 1-888-346-4652  For additional information contact: kcpinfo@kcc.com.

**Product Use:** Skin/personal cleansing**2. HAZARDS IDENTIFICATION**

Milky liquid. Alcohol odor.

**Emergency Overview:** Flammable liquid. Keep away from heat and sources of ignition.**EU Classification (1999/45/EC):** F - Highly flammable ; R11**US OSHA Classification (29CFR1910.1200):** Flammable liquid. Eye Irritant.**Canadian WHMIS Classification:** Class B-2 Class D-2-B**GHS Classification:** Flammable Liquid Category 2.. Eye Corrosion/Irritation Category 2B.

**GHS Labeling:**

**DANGER**

H225. Highly flammable liquid and vapor.

H320. Causes eye irritation.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with all local and national regulations.

P370+P378 In case of fire: Use water, carbon dioxide, dry chemical or alcohol foam for extinction.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<i>Chemical Name</i>	<i>CAS-No./ EINECS-No</i>	<i>%</i>	<i>EU Classification (67/548/EEC):</i>
Ethanol (ethyl alcohol)	64-17-5 / 200-578-6	70%	F, R11
Isopropanol (Isopropyl alcohol, propan-2-ol)	67-63-0 / 200-661-7	5%	F, Xi R11, R36, R67
Non-Hazardous Ingredients	Proprietary	20-30%	Not applicable

See Section 16 for further information on EU Classification.

**4. FIRST AID MEASURES**

**Inhalation:** Move to fresh air. Seek medical advice if cough, shortness of breath or other respiratory problems occur.

**Skin contact:** None required for normal use. This product is intended for use on the skin. Seek medical advice if redness, swelling, itching or burning occurs.

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention if irritation persists.

**Ingestion:** Call a physician or Poison Control Centre immediately. If victim is conscious, rinse mouth with a small amount of water. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Water, water fog, foam, carbon dioxide, dry chemical.

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective suit.

**Unusual Fire and Explosion Hazards:** Flammable liquid. Vapors are heavier than air and may flow along surfaces to remote ignition sources and flash back.

**Hazardous Combustion Products:** Carbon monoxide, carbon dioxide.

## 6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate the area. Contain and collect with inert absorbent material and place in a suitable container for disposal. Comply with all federal, state and local regulations.

## 7. HANDLING AND STORAGE

Avoid contact with eyes. Avoid breathing vapors or mists. Keep away from heat and sources of ignition. When using do not smoke.

Store in a cool, dry, well ventilated area.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	Exposure limit(s)
Ethanol (ethyl alcohol)	1000 ppm PEL-TWA 1000 ppm TLV-STEL 500 ppm TWA DFG MAK 1000 ppm TWA UK 8 hr.
Isopropanol (Isopropyl alcohol, propan-2-ol)	400 ppm US OSHA PEL-TWA 200 ppm ACGIH TLV-TWA, 400 ppm ACGIH TLV-STEL 200 ppm DFG MAK 400 ppm UK 8 hr TWA, 500 ppm UK 15 min

**Ventilation:** Ensure adequate ventilation to maintain airborne concentrations below applicable occupational exposure limits.

**Respiratory Protection:** None required for normal use. If the exposure limit is exceeded or for symptoms of overexposure, wear an appropriate NIOSH (or local authority) certified respirator.

**Hand Protection:** None required for normal use.

**Skin Protection:** None required for normal use.

**Eye Protection:** Wear safety goggles if eye contact is possible.

For bulk processing, regular hand washing 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	Milky liquid.Alcohol odor.
Boiling point/range	Not available
Melting point/range	Not available
Specific Gravity (water=1)	0.875
Vapor pressure	45 mmHg@20°C(Ethanol (ethyl alcohol))
Vapor density (air=1)	1.6
Solubility	Complete
pH	5.0
Partition coefficient (n-octanol/water):	Not available
Evaporation Rate (Butyl acetate=1)	Not available
Percent Volatile by Volume (%)	>90%
Volatile Organic Carbon Compounds (VOC) (g/L)	70%
Flashpoint:	13°C (55°F)(Ethanol (ethyl alcohol))
Flammable Limits in Air % by Volume:	LEL (Lower): 2.0% UEL (Upper): 19%

## 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** Avoid sparks, flame and excessive heat.

**Materials to avoid:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide.

**Hazardous Polymerization:** Does not occur.

---

**11. TOXICOLOGICAL INFORMATION****Symptoms/Effects of Overexposure:**

**Inhalation:** Excessive inhalation may cause respiratory irritation, coughing, shortness of breath, nausea, dizziness, loss of coordination, drowsiness, loss of consciousness and other symptoms of central nervous system depression.

**Skin contact:** Prolonged skin contact may cause mild irritation in sensitive individuals. Not expected to be absorbed through the skin.

**Eye contact:** Contact with eyes may cause irritation.

**Ingestion:** May cause mucous membrane and gastrointestinal irritation and other adverse effects. May cause nausea, vomiting, diarrhea, dizziness, drowsiness and other symptoms of central nervous system depression.

**Chronic toxicity:** Prolonged skin contact may cause mild irritation in sensitive individuals.

**Medical Conditions Aggravated by Exposure:** None currently known. May possibly aggravate dermatitis, psoriasis and other skin conditions.

**Carcinogenicity Data:** None of the components of this product is listed as a carcinogen by IARC, NTP, US OSHA or the European Directive (67/548/EEC).

**Reproductive Toxicity:** Ethanol has been found to cause adverse reproductive effects in laboratory animals. Ethanol is known to cause fetal alcohol syndrome when orally ingested by pregnant humans.

**Acute Toxicity Values:** Ethanol: LD50 oral rat: 7060 mg/kg; Inhalation LC50 (rat, 10 hr): 20,000 ppm; Eye irritation, Draize Test (rabbit): Severe (500 mg/24 hr)

Isopropanol (Isopropyl alcohol): LD50 Oral rat 5045 mg/kg; LD50 Skin rabbit 12,800 mg/kg; LC50 Inhalation rat 16,000 ppm/8 hour

Glycerin: Oral rat LD50 12.6 g/kg.

**12. ECOLOGICAL INFORMATION**

No data is currently available.

**13. DISPOSAL CONSIDERATIONS**

Dispose in accordance with all state, local and federal regulations.

**14. TRANSPORT INFORMATION**

**US DOT Shipping Description:** UN1987, Alcohols, n.o.s. (Ethanol, Isopropanol), 3, II

A limited quantity may be renamed "consumer commodity" and reclassified as ORM-D. Please consult 49CFR 173.151(c) for additional information.

**IATA Shipping Description (Air):** UN1987, Alcohols, n.o.s. (Ethanol, Isopropanol), 3, II

---

**IMDG Shipping Description (Vessel):** UN1987, Alcohols, n.o.s. (Ethanol, Isopropanol), 3, II

**ADR Shipping Description:** UN1987, Alcohols, n.o.s. (Ethanol, Isopropanol), 3, II

Container Disposal: Empty containers should be rinsed with water and recycled or discarded with household garbage.

This product does not contain marine pollutants.

## 15. REGULATORY INFORMATION

### US Regulations

**EPA Toxic Substances Control Act (TSCA):** All of the components of this product are listed on the TSCA Inventory or exempted from TSCA.

**SARA 302 Listed Chemicals:** None.

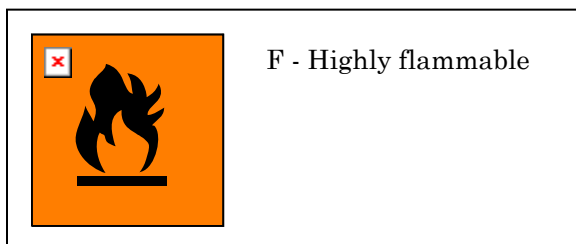
**SARA 311/312 Hazard Categories:** Fire Hazard Acute Health

**SARA 313 This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under the SARA Section 313 (40 CFR 372):** None.

**California Proposition 65:** This product does not contain chemicals listed per the Safe Drinking Water and Toxic Enforcement Act of 1986.

### International Regulations

#### EU Labeling:



R11 - Highly flammable.

S16 - Keep away from sources of ignition - No smoking.

S51 - Use only in well ventilated areas.

**Canadian WHMIS Classification:** Drugs and cosmetics are not subject to the Hazardous Products Act (WHMIS).

## 16. OTHER INFORMATION

**HMIS Rating:** Health 1 Fire 3 Reactivity 0

---

---

**EU Classes and Risk Phrases for Reference (See Sections 2 and 3):**

F - Highly flammable

Xi - Irritant

R11 - Highly flammable.

R36 - Irritating to eyes.

R67 - Vapours may cause drowsiness and dizziness.

The information contained herein is true and correct to the best of Kimberly-Clark's knowledge. However, no warranty, expressed or implied, is made. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations. Final determination of the suitability of the material is the sole responsibility of the user.