

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name: Kimberly-Clark® Professional Instant Hand Sanitizer; Kimcare® Instant Hand Sanitizer

Product Number: 93037, 93040, 93060, 93063, 93066, 95150, 95250

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| Date Prepared: | 5/3/2004 |
| Manufacturer: | Kimberly-Clark Corporation 1400 Holcomb Bridge Road Roswell, GA 30076-2199 United States of America |
| Telephone: MEDICAL EMERGENCY TRANSPORTATION EMERGENCY INFORMATION | 1-877-561-6587 Chemtrec 1-800-424-9300 1-888-346-4652 |

Product Use: Skin/personal cleansing

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No./ EINECS-No | % | EU Classification (67/548/EEC): |
|---|---------------------------|----------|--|
| Alcohol Denatured (anhydrous) (Ethanol) | 64-17-5/200-578-6 | 60% | R11 |
| Other Ingredients | Proprietary | 40% | Not applicable |

See Section 16 for further information on EU Classification.

3. HAZARDS IDENTIFICATION

Emergency Overview: Clear gel with a citrus odor. Flammable. Flashpoint: 69°F (20.6°C). Avoid sparks, flame and excessive heat. May cause eye irritation. Prolonged skin contact may cause mild irritation in sensitive individuals. This product is intended for use as a hand cleanser and is expected to contact the skin.

EU Classification (1999/45/EC): F - Highly flammable R11

Medicinal and cosmetic products in the finished form, intended for the final user are not subject the Directive relating to the classification, packaging and labelling of dangerous preparations (1999/45/EC).

4. FIRST AID MEASURES

Inhalation: Move to fresh air. Obtain medical attention if irritation persists.

Skin contact: Wash off excess with water. 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. Never give anything by mouth to a person who is unconscious or drowsy. Drink 1 or 2 glasses of water.

5. FIRE-FIGHTING MEASURES

Flashpoint: 69°F (20.6°C) closed cup

Flammable Limits in Air % by Volume:

LEL (Lower): 3.3%

UEL (Upper): 19%

Suitable Extinguishing Media: Dry chemical, carbon dioxide or alcohol-resistant foam.

Special Fire Fighting Procedures: Water may be ineffective. Water may be used to keep exposed containers cool. Wear self-contained breathing apparatus and protective suit.

Unusual Fire and Explosion Hazards: Flammable liquid. Moderate explosion hazard when exposed to ignition source.

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 sparks, flame and excessive heat.

Recommended storage temperature 40°F - 100°F (5°C - 37°C).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Chemical Name | Exposure limit(s) |
|---------------|------------------------------------|
| Ethanol | 1000 ppm PEL-TWA, 1000 ppm TLV-TWA |

Ventilation: Local exhaust ventilation recommended at points of emission to reduce exposure to fumes and vapors during processing. Ensure adequate ventilation to maintain airborne concentrations below applicable occupational exposure limits.

Respiratory Protection: No personal respiratory protective equipment normally required. If the exposure limit is exceeded or for symptoms of overexposure, wear an appropriate NIOSH (or local authority) certified respirator.

Protective Gloves: Not required. This product is intended for use as a hand cleanser and is expected to contact the skin.

Eye Protection: None required for normal use.

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 | Clear gel with a citrus odor. |
| Boiling point/range | 173°F (78.3°C) |
| Melting point/range | -173°F (-114.1°C) |
| Specific Gravity (water=1) | 0.89-0.91 |
| Vapor pressure | 45 mm Hg |
| Vapor density (air=1) | 1.6 |
| Solubility | Complete |
| pH | 7.0 |
| Partition coefficient (n-octanol/water): | Not available |
| Evaporation Rate (Butyl acetate=1) | >1 |
| Percent Volatile by Volume (%) | >50% |
| Volatile Organic Carbon Compounds (VOC) (g/L) | >450 g/L |

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: 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. Patch testing does not indicate a potential for sensitization in humans. 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 (67/48/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)

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: Ethanol Solution, 3, UN1170, II

A limited quantity may be renamed "consumer commodity" and reclassified as ORM-D. Please consult 49CFR 173.150(c) for additional information.

IATA Shipping Description (Air): Ethanol Solution, 3, UN1170, II

IMDG Shipping Description (Vessel): Ethanol Solution, 3, UN1170, II

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: Acute Health Fire Hazard

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

Canadian CEPA: All of the components are either listed on or exempted from the Domestic Substances List (DSL).

Drug Identification Number (DIN): 02243379

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

EU Labeling: Medicinal and cosmetic products in the finished form, intended for the final user are not subject the Directive relating to the classification, packaging and labelling of dangerous preparations (1999/45/EC).

16. OTHER INFORMATION

HMIS Rating: Health 1 Fire 3 Reactivity 0

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

R11 - Highly flammable.

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