

# MATERIAL SAFETY DATA SHEET

## PETRA HYGIENIC SYSTEMS

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<b>IDENTITY:</b> ALCOHOL-FREE FOAMING HAND SANITIZER – AC 585-F	<b>COMMON NAME:</b> HAND SANITIZER
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**EMERGENCY ASSISTANCE:** (800) 463-2516

**DATE:** AUGUST 25, 2010

**\*\* THIS IS NOT A CONTROLLED PRODUCT\*\***

### 1) HAZARDOUS COMPONENTS

<u>(Specific Chemical Identity, Common Name(s))</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits</u>	<u>%(Optional)</u>
Benzalkonium Chloride	N/A	N/A		
Dihydroxypropyl PEG-5 Linoleammonium chloride	N/A	N/A		
Glycereth-2 cocoate	NA	NA		
Behentrimonium chloride	N/A	N/A		
Dihydroxyethyl cocamine oxide	N/A	N/A		
Fragrance	N/A	N/A		

### 2) PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	212°F / 100 C	Specific Gravity (H2O=1)	1.005 @ 25°C
Vapour Pressure	n/a	Melting Point	n/a
Vapour Density	n/a	Evaporating Rate (Butyl Acetate = 1)	1.0
Solubility In Water	Complete		
Appearance & Odour	Clear liquid with characteristic odor. Produces foam when dispensed.		

### 3) FIRE & EXPLOSION HAZARD DATA

Flash Point (Method Used) : Closed Cup > 210 F      Flammable Limits L      EL - N/A      UEL – N/A  
 Extinguishing Media: Use water fog. "Alcohol" foam, dry chemical or CO2.  
 Special Fire Fighting Procedures: None.  
 Unusual Fire & Explosion Hazards: None.

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**4) REACTIVITY DATA**

**Stability:**                   Stable                   X  
                                  Unstable

**Conditions to Avoid:** Avoid heat, sparks, flame & contact with strong oxidising agents.

**Incompatibility (Materials to Avoid):** None.

**Hazardous Decomposition or By-products:** Carbon Monoxide & unidentified organic compounds may be formed in combustion.

**Hazardous Polymerisation:**                   May Occur  
  Will Not Occur    X

**Conditions to Avoid:**                   None

**5) HEALTH HAZARD DATA**

**Route(s) of Entry:**                   Inhalation? Minimal                   Skin? Yes                   Ingestion? Minimal

**Health Hazards (Acute & Chronic):** None known.

**Carcinogenicity:** None    **NTP? N/A**                   **IARC Monographs?**                   **OSHA Regulated? NO**

**Signs & Symptoms of Exposure:** Eye & skin contact may cause irritation for some individuals. Ingestion may cause adverse health effects.

**Medical Conditions (generally aggravated by exposure)** N/A

**Emergency & First Aid Procedures:** Eyes: Flush with flowing water for at least 15 minutes & consult physician.

**6) PRECAUTIONS FOR SAFE HANDLING & USE**

**Steps to Be Taken in Case Material is Released or Spilled:** Observe local & federal regulations. Spills are slippery. Clean up immediately.

**Handling & Storage:** Store in cool, dry place away from heat & open flame or sparks.

**Waste Disposal Method:** Dilute with lots of water & flush down sanitary sewers or absorb with inert materials & dispose. Observe local & federal regulations.

**Other Precautions:** Do not handle in aluminium containers at temperatures above 120°.

**7) CONTROL MEASURES**

**Respiratory Protection (Specify Type):** N/A

**Ventilation:**                   Local Exhaust                   No                   **Special:** N/A

                                  Mechanical (General)                   No                   **Other:**                   N/A

**Protective Gloves:**                   None                   **Eye Protection:**                   None

**Other Protective Clothing or Equipment:**                   None

**Work/Hygienic Practices:**                   None.

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**PREPARED BY:** Sam Maduri