**Section 1 - Chemical Product and Company Identification**

**Product Name:** ESTESOL® Hand, Hair and Body Shampoo

**Product Use:** Skin Cleansing

**Manufacturer Information**

<table>
<thead>
<tr>
<th>Evonik Stockhausen, Inc.</th>
<th>Non-Emergency # 800-242-2271</th>
</tr>
</thead>
<tbody>
<tr>
<td>2401 Doyle Street</td>
<td>Emergency # (800) 424-9300 CHEMTREC (North America)</td>
</tr>
<tr>
<td>Greensboro, NC 27406</td>
<td>Emergency # (703) 527-3887 CHEMTREC (International, call collect)</td>
</tr>
</tbody>
</table>

**General Comments**

Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving the product. All Non-emergency questions should be directed to the Toll Free, Non-Emergency number above.

**Section 2 - Hazards Identification**

**Emergency Overview**

Contact with eyes can cause eye irritation.

**Potential Health Effects: Eyes**

This product may cause eye irritation.

**Potential Health Effects: Skin**

Skin irritation and other testing has confirmed that this product is skin compatible.

**Potential Health Effects: Ingestion**

Seek medical attention.

**Potential Health Effects: Inhalation**

None.

**HMIS Ratings:**

<table>
<thead>
<tr>
<th>Health</th>
<th>Fire</th>
<th>Reactivity</th>
<th>Pers. Prot.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>None required.</td>
</tr>
</tbody>
</table>

**Hazard Scale:**

0 = Minimal  1 = Slight  2 = Moderate  3 = Serious  4 = Severe  * = Chronic hazard

**Section 3 - Composition / Information on Ingredients**

**Component Information/Information on Non-Hazardous Components**

This product is a cosmetic intended for personal use in the workplace and is thus regulated by FDA. See container label regarding proper handling and use of this product. Ingredients are listed in descending order of concentration on the container label. For OSHA workplace hazards, investigate and read and understand component MSDS's before manufacturing.

Toxic Substances Control Act (TSCA): Exempt
Workplace Hazardous Materials Information System (WHIMS-Canada): Exempt-cosmetic hand cleaner
Department of Transportation (DOT): Not regulated
Suggested shipping classification: NFC #48580, sub 3, soap, NOI, Liquid, class 55.
**Material Safety Data Sheet**

**Product Name:** ESTESOL Hand, Hair and Body  
**MSDS ID:** SK-122B

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### Section 4 - First Aid Measures

**First Aid: Eyes**  
In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. If irritation persists get medical attention.

**First Aid: Skin**  
None.

**First Aid: Ingestion**  
If material is swallowed, get medical attention or advice.

**First Aid: Inhalation**  
None.

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### Section 5 - Fire Fighting Measures

**General Fire Hazards**  
None.

**Upper Flammable Limit (UFL):** Not determined  
**Lower Flammable Limit (LFL):** Not determined

**Method Used:** Not Applicable  
**Flash Point:** Not Established  
**Flammability Classification:** Not flammable  
**Auto Ignition:** Not determined

**Hazardous Combustion Products**  
None identified.

**Extinguishing Media**  
Dry chemical, foam, carbon dioxide, or water spray/fog.

**Fire Fighting Equipment/Instructions**  
Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

**NFPA Ratings:**  
- **Health:** 1  
- **Fire:** 0  
- **Reactivity:** 0  
**Hazard Scale:** 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

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### Section 6 - Accidental Release Measures

**Containment Procedures**  
Absorb spill with inert material.

**Clean-Up Procedures**  
Absorb spill with inert material. Shovel material into appropriate container for disposal. Flush small residuals to the drain for normal biological wastewater treatment.

**Evacuation Procedures**  
None.

**Special Procedures**  
None.

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### Section 7 - Handling and Storage

**Handling Procedures**  
No special requirements.
Storage Procedures
Protect from freezing or extreme heat.

*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines
A: General Product Information
FDA regulated. For OSHA workplace hazards, investigate and read and understand component MSDS’s before manufacturing.
For OSHA workplace hazards, investigate and read and understand component MSDS’s before manufacturing.

B: Component Exposure Limits
No information is available.

Engineering Controls
None necessary.

PERSONAL PROTECTIVE EQUIPMENT
Personal Protective Equipment: Eyes/Face
Avoid eye contact.

Personal Protective Equipment: Skin
None.

Personal Protective Equipment: Respiratory
None.

Personal Protective Equipment: General
Obey reasonable safety precautions and practice good housekeeping.

*** Section 9 - Physical & Chemical Properties ***

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear, yellow-tint</td>
</tr>
<tr>
<td>Physical State</td>
<td>liquid</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>&lt; 26 mm Hg</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>&gt;212°F</td>
</tr>
<tr>
<td>Solubility (H2O)</td>
<td>Miscible in water</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>&lt;1 (Butyl acetate =1)</td>
</tr>
<tr>
<td>Odor</td>
<td>perfume fragrance added</td>
</tr>
<tr>
<td>pH</td>
<td>6.0 - 7.0</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not Established</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not Established</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.0 g/cc³</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability
Stable under usual application conditions.

Chemical Stability: Conditions to Avoid
None identified.

Incompatibility
None identified.

Hazardous Decomposition
None identified.

Hazardous Polymerization
Hazardous polymerization will not occur.
**Section 11 - Toxicological Information**

Acute and Chronic Toxicity

A: General Product Information
   Product may cause slight eye irritation.

B: Acute Toxicity-LD50/LC50
   No LD50/LC50's are available for this product's components.

Carcinogenicity

A: General Product Information
   Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.

B: Component Carcinogenicity
   No information is available.

Other Toxicological Information
   None.

**Section 12 - Ecological Information**

Ecotoxicity

A: General Product Information
   No information available.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity
   No information available,

Environmental Fate
   No information available.

**Section 13 - Disposal Considerations**

US EPA Waste Number & Descriptions

A: General Product Information
   Controlled release of diluted product into a biological wastewater treatment plant.

B: Component Waste Numbers
   No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions
   Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

**Section 14 - Transportation Information**

International Transportation Regulations
   This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

**Section 15 - Regulatory Information**

US Federal Regulations

A: General Product Information
   Not subject to TSCA regulation. Regulated as a personal use cosmetic by FDA.

B: Clean Air Act
   No information is available.

C: Component Analysis
   No information is available.
State Regulations
A: General Product Information
None identified.
B: Component Analysis - State
None of this product's components listed in Section 2 are on the state lists from CA, FL, MA, MN, NJ, or PA.
Component Analysis - WHMIS IDL
No components are listed in the WHMIS IDL.

*** Section 16 - Other Information ***

Other Information
The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.

MSDS History
This is a revised MSDS. Section's 2 & 3 have been revised to reflect proposed 2004 ANSI Standards format recommendations for 2007 implementation.
1/13/09 Reviewed with no changes.

Contact: Product Compliance Officer

Contact Phone: (800) 242-2271

This is the end of MSDS #: SK-122B