**Chemical Name:** MVP Liquid Waterless Hand Cleaner

**Manufacturer:** Zep

**Container size:** 1 gallon

**Location:** VLA

**Disposal:** Place empty container in trash.
Section 1. Chemical Product and Company Identification

Product name: MVP
Product use: Waterless Hand Cleaner
Product code: 0927
Date of issue: 11/17/09
Supersedes: 03/02/07

Emergency Telephone Numbers
For MSDS Information:
Compliance Services 1-877-I-BUY-ZEP (428-9937)

For Medical Emergency
(877) 541-2016 Toll Free - All Calls Recorded

For Transportation Emergency
CHEMTREC: (800) 424-9300 - All Calls Recorded
In the District of Columbia (202) 483-7616

Prepared By
Compliance Services
1420 Seaboard Industrial Blvd.
Atlanta, GA  30318

Section 2. Hazards Identification

Emergency overview
*Hazard Determination System (HDS): Health, Flammability, Reactivity

CAUTION

CAUSES EYE IRRITATION.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Acute Effects
Routes of Entry
Dermal contact. Eye contact.

Eyes
May cause eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

Skin
May cause skin sensitization. May cause allergic reactions in certain individuals.

 Inhalation
No known acute effects of this product resulting from inhalation.

 Ingestion
May be harmful if swallowed. Ingestion may cause nausea and weakness.

Chronic effects
Prolonged or repeated contact may dry skin and cause irritation.

Carcinogenicity
No known significant effects or critical hazards.

Product/ingredient name
ACGIH IARC EPA NIOSH NTP OSHA
None.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Name of Hazardous Ingredients</th>
<th>CAS number</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALKYL (C16-C18) METHYL ESTERS</td>
<td>67784-80-9</td>
<td>15 - 25</td>
</tr>
<tr>
<td>D-LIMONENE; orange distillate;</td>
<td>5989-27-5</td>
<td>1 - 10</td>
</tr>
<tr>
<td>cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NONYLPHENOXY POLY(ETHYLENEOXY) ETHANOL - npce; poly(oxy-1,2-ethanediyl) alpha-(nonylphenyl)-omega-hydroxy</td>
<td>9016-45-9</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

Section 4. First Aid Measures

Eye Contact
Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Skin Contact
This product is formulated for use on the skin. Discontinue use if irritation and redness develop. If condition persists for more than 72 hours, consult a doctor.

Inhalation
Inhalation not likely under normal use conditions.

Ingestion
Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention.
Section 5. Fire Fighting Measures

Flash Point None.
Flammable Limits Not applicable
Flammability Gel structure inhibits combustibility of solvent.
Fire hazard In a fire or if heated, a pressure increase will occur and the container may burst.
Fire-Fighting Procedures Use an extinguishing agent suitable for the surrounding fire.

Section 6. Accidental Release Measures

Spill Clean up Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.

Section 7. Handling and Storage

Handling Avoid contact with eyes. Do not ingest. Wash contaminated clothing before reusing. Do not reuse container.
Storage Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Do not store in unlabeled containers. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection

Product name Exposure limits
No exposure limit value known.

Personal Protective Equipment (PPE)
Eyes No special protection is required.
Body No special protection is required.
Respiratory No special ventilation requirements.

Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Viscous liquid</td>
</tr>
<tr>
<td>pH</td>
<td>4.5 to 5.5</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>104.4°C (220°F)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.95</td>
</tr>
<tr>
<td>Solubility</td>
<td>Emulsifies in water.</td>
</tr>
<tr>
<td>Color</td>
<td>Milky-white</td>
</tr>
<tr>
<td>Odor</td>
<td>Pleasant. Citrus</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>VOC (Consumer)</td>
<td>75 (g/l) 7.9%</td>
</tr>
</tbody>
</table>

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.
Incompatibility None known.
Hazardous Polymerization Under normal conditions of storage and use, hazardous polymerization will not occur.
Hazardous Decomposition Products carbon oxides (CO, CO2), nitrogen oxides (NO, NO2 etc.)

Section 11. Toxicological Information

Acute Toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nonylphenoxypoly(Ethyleneoxy)Ethano</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>2000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>3310 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

Section 12. Ecological Information

Environmental Effects Not available.
Aquatic Ecotoxicity Not available.
**Section 13. Disposal Considerations**

**Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Non-hazardous waste

**Section 14. Transport Information**

<table>
<thead>
<tr>
<th>Regulatory Information</th>
<th>UN number</th>
<th>Proper shipping name</th>
<th>Classes</th>
<th>PG*</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Classification</td>
<td>Not regulated.</td>
<td>Not a DOT controlled material (United States).</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG* : Packing group

**Section 15. Regulatory Information**

**U.S. Federal Regulations**

- **SARA 313 toxic chemical notification and release reporting:** No products were found.
- **Clean Water Act (CWA) 307:** No products were found.
- **Clean Water Act (CWA) 311:** No products were found.
- **Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

**State Regulations**

- **California Prop 65** No products were found.

**Section 16. Other Information**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.*