

**MISSOURI VOCATIONAL ENTERPRISES  
MATERIAL SAFETY DATA SHEETS**

**I. PRODUCT IDENTIFICATION**

F-506A

|                      |                                 |                   |                |
|----------------------|---------------------------------|-------------------|----------------|
| Manufacturer's Name: | Missouri Vocational Enterprises |                   |                |
| Address:             | P. O. Box 236                   | Telephone Number: | (573) 751-6663 |
|                      | Jefferson City, Missouri 65102  |                   |                |

|   |                          |                |
|---|--------------------------|----------------|
| Telephone Numbers for 24 Hours Emergency Assistance |                          |                |
| CHEMTREC  | For Chemical Emergencies | 1-800-424-9300 |
|   | For Medical Emergencies  | 1-800-228-5635 |

|               |                  |
|---------------|------------------|
| Product Name: | Liquid Hand Soap |
|---------------|------------------|

**II. HAZARDOUS INGREDIENTS IN MIXTURE**

|  |               |
|--|---------------|
| MATERIAL:                              | % By Wt.      |
| Ethanol (CAS 64-17-5)                  | Less than 2 % |
| Non – Hazardous As Supplied in Product |               |

**III. PHYSICAL DATA**

|  |                                       |
|--|---------------------------------------|
| Vapor Pressure mm hg @ 20° C: N/A                    | Vapor Density (Air=1) 60-90° F: N/A   |
| Evaporation Rate (ether=1): Slower than ethyl ether  | % Volatile by weight: Less than 2 %   |
| Solubility in H <sub>2</sub> O: Complete             | pH 1% Solution: 8                     |
| Freezing Point F: 5 °F                               | pH as Distributed: 6.5 – 7 (as is)    |
| Boiling Point F @ 14.7 psig: Greater than 194 °F     | Appearance: Liquid                    |
| Specific Gravity H <sub>2</sub> O = 1 @ 25° C: 1.018 | Odor: Sun Ripened Raspberry Fragrance |

**IV. FIRE AND EXPLOSION**

|   |  |
|---|--|
| Flash Point F: 124 °F (as is concentrate) |  |
| Extinguishing Media:                      | Dry, Media, Carbon Dioxide and /or Water |
| Special Fire Fighting Procedures:         | N/A                                      |
| Unusual Fire and Explosion Hazards:       | N/A                                      |

**V. EMERGENCY AND FIRST AID PROCEDURES**

|                       |  |
|-----------------------|--|
| Eyes:                 | May cause irritation to eyes.                              |
| Skin:                 | May cause irritation to skin.                              |
| Inhalation:           | Inhalation of vapors may be irritating.                    |
| Ingestion:            | Drink Plenty of Water. Call Physician Immediately.         |
| Overexposure Effects: | Harmful or fatal if swallowed. Call Physician Immediately. |

F-506A Continued

MATERIAL SAFETY DATA SHEET

VI. REACTIVITY DATA

|  |   |
|--|---|
| Conditions Contributing to Instability:              | Stable under normal conditions.                         |
| Incompatibility:                                     | This product may react with strong acids and oxidizers. |
| Hazardous Decomposition Products:                    | Upon decomposition sulfur and nitrogen oxides may foam. |
| Conditions Contributing to Hazardous Polymerization: | Will not occur.   |

VII. SPILL OR LEAK PROCEDURES

|   |   |
|---|---|
| Steps to be taken if Material is Released or Spilled: | Spills may be picked up with mop or flowing water.  |
| Neutralizing Chemicals:                               | N/A   |
| Waste Disposal Methods:                               | Minor Quantity: Flush to sewer if permitted by local regulations.<br>Major Quantity: Dispose of in approved dumpsite. |

VIII. SPECIAL PROTECTION INFORMATION

|                               |     |      |                   |        |     |
|-------------------------------|-----|------|-------------------|--------|-----|
| Respiratory:                  | N/A | Eye: | Avoid eye contact | Glove: | N/A |
| Other Clothing and Equipment: | N/A |      |                   |        |     |
| Ventilation:                  | N/A |      |                   |        |     |

IX. HAZARDOUS MATERIAL INFORMATION SHEET

|           |                 |               |  |
|-----------|-----------------|---------------|--|
| Health: 1 | Flammability: 1 | Reactivity: 0 |  |
|-----------|-----------------|---------------|--|

X. SPECIAL PRECAUTIONS

|  |  |
|--|--|
| Precautions to be taken in Handling and Storing: | For Industrial or Institutional use.       |
| Other Precautions                                | Read and observe labeled use instructions. |

Prepared by: Henry Rodgers

Title: Chemist II

Date: March 14, 2011

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