



# Kitter Corporation

# Material Safety Data Sheet

## DUEL Hand Soap

### Section 1: Identification

Product Name: DUEL Hand Soap  
Manufacturer's Name: Kitter Corporation  
Address: 100 S. Cleveland (P.O. Box 9680) Amarillo, Texas 79105  
Emergency Phone Number: Chem-Tel 1-800-255-3924  
Product Stewardship: 806-376-1448  
Date Prepared: June 6, 2003

### Section 2: Composition / Information on Ingredients

| CHEMICAL                 | C.A.S. NUMBER | WEIGHT % |
|--------------------------|---------------|----------|
| Water                    | 7732-18-5     | 75 - 85  |
| Ammonium Lauryl Sulfate  | 2235-54-3     | 10 - 15  |
| Ammonium Laureth Sulfate | 32612-48-9    | 10 - 15  |
| Cocamidopropyl Betane    | 61791-31-9    | 1 - 5    |
| Cocamide DEA             | 61789-40-0    | 1 - 5    |
| Diethanolamine           | 111-42-2      | <<1      |

OSHA Hazardous Components (29 CFR 1910.1200):

OSHA PEL    ACGIH TLV    Supplier  
None\*

\*None of the chemicals considered hazardous are present at levels equal to or greater than 1%.

### Section 3: Hazard Identification

#### Potential Health Effects:

Eyes: Contact with eyes may cause irritation.  
Skin: Prolonged or repeated contact with skin may cause irritation.  
Ingestion: Swallowing may cause abdominal discomfort, nausea, vomiting and diarrhea.  
Inhalation: Not a likely route of exposure.  
Medical Conditions Aggravated by Overexposure: Repeated skin contact may cause dermatitis.

### Section 4: First Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Seek medical attention if symptoms persist.  
Skin Contact: Wash skin with water and remove contaminated clothing. Wash contaminated clothing before reuse.  
Ingestion: Do not induce vomiting. If conscious and alert, give two glasses of water. Seek medical attention if symptoms persist.  
Inhalation: Remove to fresh air. Seek medical attention if symptoms persist.

### Section 5: Fire Fighting Measures

Flash Point & Method: None, PMCC Method  
Flammable Limits: LEL - N/A    UEL - N/A  
Auto ignition Temperature: N/E  
General Hazard: None  
Fire Fighting Instructions: Use self-contained breathing apparatus for maximum respiratory protection. Use water spray to cool containers in area.  
Unusual Fire & Explosion Hazards: None known

### Section 6: Accidental Release Measures

Small Spills: Soak up with absorbent. Shovel in waste containers. Flush area with water.  
Large Spills: Recover spilled material for reprocessing or disposal. See Section 13 for proper disposal information.

### Section 7: Handling & Storage

Storage Temperature: Ambient  
Storage Pressure: Atmospheric  
General: Keep container closed when not in use. Store in a cool, well-ventilated area. Avoid overheating or freezing. Wash thoroughly after handling. Keep out of reach of children. Spilled material is slippery.

# DUEL Hand Soap

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## Section 8: Exposure Control / Personal Protection

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Engineering Controls: Local exhaust ventilation is acceptable.

Personal Protection:

Respiratory Protection: If vapors, fumes or dusts are present use a MSHA or NIOSH approved respirator, a fresh air breathing apparatus or a self-contained breathing apparatus.

Hand Protection: Water repellent gloves.

Eye Protection: Safety glasses or goggles.

Other Recommendations: Not required.

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## Section 9: Physical & Chemical Properties

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|---|------|-------------------------------|--------|
| Specific Gravity (H <sub>2</sub> O=1) . . . . . | 0.99 | Boiling Point . . . . .       | >212°F |
| Vapor Pressure (mmHg.) . . . . .                | N/A  | Melting Point . . . . .       | N/A    |
| Vapor Density (AIR=1) . . . . .                 | >1   | Solubility in Water . . . . . | 100%   |
| Evaporation Rate (n-BuAc=1) . . . . .           | <1   | pH . . . . .                  | 7 - 8  |

Appearance and Odor: Thick amber liquid with a mild floral fragrance.

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## Section 10: Stability & Reactivity

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General: Stable, hazardous polymerization will not occur.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition: Forced combustion yields ammoniacal vapors and nitrous oxides.

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## Section 11: Toxicological Information

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Results of Component Toxicity Tests Performed:

For Ammonium Lauryl Sulfate (2235-54-3): Oral LD<sub>50</sub> = 3-5.5 g/kg (Rat)

For Ammonium Laureth Sulfate (32612-48-9): Oral LD<sub>50</sub> >5 g/kg

No Chemicals used in this product are listed as carcinogens or suspected carcinogens by the National Toxicological Program, IARC monographs or OSHA.

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## Section 12: Ecological Information

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Aquatic Effects: Information not available

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## Section 13: Disposal Considerations

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Waste Disposal Method: Recover liquid or dispose waste material in accordance with all applicable federal, state and local regulations and laws. Material collected with absorbent may be disposed of in a permitted landfill.

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## Section 14: Transportation Information

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U.S. DOT Information:

Proper Shipping Name: NON-HAZARDOUS

Hazard Class: N/A

Packing Group: N/A

UN Number: N/A

Limitations: N/A

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## Section 15: Regulatory Information

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U.S. Federal Regulations: MSDS complies with OSHA's Hazard Communication Rule, 29CFR1910.1200.

CERCLA /Superfund, 40 CFR 117: N/A

SARA Superfund and Reauthorization Act of 1986 Title III Sections 302, 311, 312 and 313:

Section 302: None of the chemicals are listed in Section 302

Section 311 / 312: By our hazard evaluation, this product is non-hazardous.

Section 313: None of the chemicals are listed in Section 313.

TSCA: All substances are TSCA Listed.

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## Section 16: Other Information

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Revision Dates, Sections, Revised By: 06-06-2003, CREATED, D. Sloan

Abbreviations used in this Document: N/A – Not Applicable, N/E – Not Established

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