# MATERIAL SAFETY DATA SHEET

## Product Code: Foam Antibacterial Hand Soap

| Product | CAS# |
|---|---|
| Deionized Water | 7732-18-5 |
| Sodium Laureth Sulfate | 68585-34-2 |
| Lauramide DEA | 120-40-1 |
| Aqueous Cationic Copolymer | 68603-42-9 |
| Citric Acid | 77-92-9 |

### DIVISION AND LOCATION - SECTION I

DIVISION: Bortek Industries
LOCATION: 4713 Old Gettysburg Rd.
Mechanicsburg, Pa. 17055
EMERGENCY TELEPHONE NUMBER: 1 800-626-7835

### CHEMICAL AND PHYSICAL PROPERTIES - SECTION II

CHEMICAL NAME: mixture of surfactants
FORMULA: No data available
HAZARDOUS DECOMPOSITION PRODUCTS: carbon monoxide and carbon dioxide from burning
INCOMPATIBILITY (Keep away from): strong oxidizers such as hydrogen peroxide, bromine, and chromic acid
TOXIC AND HAZARDOUS INGREDIENT: none
FORM: liquid ODOR: Citrus COLOR: Amber
APPEARANCE: viscous liquid
SPECIFIC GRAVITY (WATER = 1): 1.02
BOILING POINT: No data available
MELTING POINT: No data available
SOLUBILITY IN WATER (by weight %): soluble at 25ºC
VOLATILE (BY WEIGHT %): 90%
EVAPORATION RATE: not applicable
VAPOR PRESSURE (mm Hg at 20ºC): less than 1
VAPOR DENSITY (air = 1): No data available
pH (as is): 5.5 to 7.0
STABILITY: Product is stable under normal conditions
VISCOSITY SUS at 100ºF: Greater than 0

### FIRE AND EXPLOSION DATA - SECTION III

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.
UNUSUAL FIRE AND EXPLOSION HAZARDS: none
FLASHPOINT: Pensky-Martens closed cup: greater than 200ºF
FLAMMABLE LIMITS %: Not applicable
EXTINGUISHING AGENTS: Dry chemical or water spray of water fog or CO or Foam or Sand/Earth

### HEALTH HAZARD DATA - SECTION IV

PERMISSIBLE CONCENTRATION (Air): not applicable
CHRONIC EFFECTS OR OVEREXPOSURE: no data available
ACUTE TOXICOLOGICAL PROPERTIES: no data available
EMERGENCY FIRST AID PROCEDURES:
EYES: Immediately flush with large quantities of water for at least 15 minutes and call a physician
SKIN CONTACT: Not applicable
INHALATION: Not applicable
IF SWALLOWED: Call a physician

### SPECIAL PROTECTION INFORMATION - SECTION V

VENTILATION TYPE REQUIRED (local, mechanical, special): Not applicable
RESPIRATORY PROTECTION (Specify type): Not applicable
PROTECTIVE GLOVES: Not applicable
OTHER PROTECTIVE EQUIPMENT: Not applicable

### HANDLING OF SPILLS OR LEAKS - SECTION VI

PROCEDURES FOR CLEAN-UP: Absorb with an inert material such as sand, soil or vermiculite, sweep up and dispose of in accordance with federal, state, and local regulations.
WASTE DISPOSAL: Dispose of in accordance with all applicable federal, state and local regulations.

### SPECIAL PRECAUTIONS - SECTION VII

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store between 40ºF and 120ºF

### TRANSPORTATION DATA - SECTION VIII

D.O.T.: Not regulated
REPORTABLE QUANTITY: Not applicable
FREIGHT CLASSIFICATION: Cleaning compound
SPECIAL TRANSPORTATION NOTES: None

### COMMENTS - SECTION IX

SIGNATURE: Tom A Drupp _____
TITLE: VP
Sent to: _____ DATE: 01/03/2008

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