



MATERIAL SAFETY DATA SHEET

(Essentially Similar to Form OSHA-174 / 29 CFR 1910-1200)

PRODUCT NAME **AERO® FIRST NON-AEROSOL ALCOHOL BASED FOAM SANITIZER**
FORMULA 01700

HMIS RATING HEALTH = 0 FIRE = 1 REACTIVITY = 0 (Scale 0-4, where 4 = severe hazard)

SECTION I – MANUFACTURER INFORMATION

| | | | |
|-------------------------|---|-------------------|------------------------------------|
| MANUFACTURED BY DEB FOR | DEB SBS, Inc. 1100 Highway 27 South Stanley, NC 28164 | EMERGENCY CONTACT | Chemtrec 800-424-9300 (24 hour) |
| PHONE NUMBER | 704-263-4240 | PREPARED BY | Chemist |
| | | REVISION DATE | December 6, 2006 |

SECTION II – INGREDIENTS

This product is manufactured and labeled in compliance with the Federal Food, Drug, and Cosmetic Act, and is exempt from the labeling requirements of the OSHA Hazard Communication Standard. All product ingredients are listed below.

| <u>ACTIVE INGREDIENT</u> | <u>CAS NUMBER</u> | <u>WEIGHT, %</u> |
|--------------------------|-------------------|------------------|
| Ethyl Alcohol | 64-17-5 | 72 |

OTHER INGREDIENTS

| | |
|--|-------------|
| Water | 7732-18-5 |
| n-Propanol | 71-23-8 |
| Cocoglucoside | 141464-42-8 |
| Glyceryl Oleate | 68426-61-3 |
| PEG-7 Glyceryl Oleate | 66105-29-1 |
| PEG-200 Hydrogenated Glyceryl Palmate | |
| Dihydroxypropyl PEG-5 Linoleaminium Chloride | 168677-75-6 |
| Behentrimonium Chloride | 17301-53-0 |
| Bis-PEG-12 Dimethicone | 102783-01-7 |

Data marked with asterisk (*) in sections III & IV below refer to the properties of Ethyl Alcohol

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

| | | | |
|-------------------------|--|---|-------|
| BOILING POINT | NA | SPECIFIC GRAVITY (H ₂ O = 1) | 0.80 |
| VAPOR PRESSURE (mmHg) | ND | MELTING POINT | NA |
| VAPOR DENSITY (Air = 1) | ND | EVAPORATION RATE (Butyl Acetate = 1) | 1.4 * |
| SOLUBILITY IN WATER | Complete | pH | NA |
| APPEARANCE & ODOR | Clear to slightly opaque liquid with an alcohol odor | | |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| | |
|------------------------------------|---|
| FLASH POINT (Method Used) | 72°F * (ASTM D-1310 open cup) |
| FLAMMABLE LIMITS | LEL: ND UEL: ND |
| EXTINGUISHING MEDIA | Dry chemical, carbon dioxide, water spray (fog) or alcohol foam |
| SPECIAL FIRE FIGHTING PROCEDURES | Blanket fire with extinguishing medium. |
| UNUSUAL FIRE AND EXPLOSION HAZARDS | Undetermined |

SECTION V - REACTIVITY DATA

| | | | | |
|--|--|---|----------------------|--------------------------|
| STABILITY | Unstable Stable | X | Conditions to Avoid: | Heat or ignition sources |
| INCOMPATIBILITY | Oxidizing agents; may react with aluminum at high temperatures | | | |
| HAZARDOUS DECOMPOSITION OR BY-PRODUCTS | Ammonia, nitrous oxides, and hydrogen chloride are produced upon combustion. | | | |
| HAZARDOUS POLYMERIZATION | May Occur Will not Occur | X | Conditions to Avoid: | None known |

SECTION VI – HEALTH HAZARD DATA

ROUTE(S) OF ENTRY Inhalation, Ingestion only by accidental or intentional misuse

HEALTH HAZARDS

- Skin: Excessive exposure may cause irritation or dryness.
- Eyes: May cause temporary irritation.
- Ingestion: May result in vomiting.
- Inhalation: Vapors may cause drowsiness.

EMERGENCY AND FIRST AID PROCEDURES

- Skin: Rinse affected area with water. Consult with a physician if irritation persists.
- Eyes: Immediately flush eyes with clean water for at least 15 minutes or until irritation subsides. Consult with a physician if pain or irritation persists.
- Ingestion: Do not induce vomiting. Consult with a physician immediately.
- Inhalation: Remove from exposure. Consult with a physician if condition persists.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

| | |
|--------------------------------------|--|
| IN CASE OF RELEASE OR SPILL | Apply absorbent material and place in covered containers for disposal. |
| WASTE DISPOSAL METHOD | Dispose in accordance with state, local and federal regulations. |
| PRECAUTIONS FOR HANDLING AND STORAGE | Keep out of reach of children and other persons who may misuse the product. Avoid contact with excessive heat, ignition sources, and incompatible materials. Store in cool, well-ventilated area. Do not store in aluminum containers. |

SECTION VIII - CONTROL MEASURES

| | |
|--------------------------------|--------------------|
| SPECIAL RESPIRATORY PROTECTION | None required |
| SPECIAL SKIN PROTECTION | None required |
| SPECIAL EYE PROTECTION | Avoid eye contact. |

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, DEB SBS, Inc. makes no warranty with respect thereto and disclaims all liability from reliance thereon, and responsibility for improper application or misuse of product in any manner whatsoever. Final determination of suitability of any material is the sole responsibility of the user.