



MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT AND COMPANY IDENTIFICATION

Product Name: Sanitizer
(EPA Reg. No. 1839-86-83908)

DIEC Code: DI-18

CABVI Code: 640.11

Product Use: Sanitizer

Manufacturer/Supplier: The Deirdre Imus Environmental Health Center™
Hackensack University Medical Center

Address: 30 Prospect Ave.
Hackensack, NJ 07601

Telephone: (201)-336-8159

| HMIS Hazard Rating | | |
|---------------------|---|-------------------|
| HEALTH | 3 | 0 – Insignificant |
| FLAMMABILITY | 1 | 1 – Slight |
| REACTIVITY | 0 | 2 – Moderate |
| PERSONAL PROTECTION | B | 3 – High |
| | | 4 – Extreme |

SECTION II – INFORMATION ON INGREDIENTS

| Ingredients | CAS# | WT% | ACGIH-TLV | LD ₅₀ | LC ₅₀ |
|---|------------|--------|----------------|--------------------------|------------------|
| Water | 7732-18-5 | 60-100 | Not applicable | 90,000 mg/kg (Oral, Rat) | NA |
| Alkyl dimethyl benzyl ammonium chloride | 68391-01-5 | 3-7 | Not applicable | 570 mg/kg (Oral, Rat) | NA |
| Alkyl dimethyl ethyl benzyl ammonium chloride | 85409-23-0 | 3-7 | Not applicable | 570 mg/kg (Oral, Rat) | NA |

SECTION III – HAZARDS IDENTIFICATION

Route of Entry: Eye, skin contact, inhalation, ingestion.

Effects of Acute Exposure:

Eye Contact: This product may be corrosive to eyes. Repeated or prolonged contact may cause severe irritation, redness, blurred vision, and severe or permanent damage.

Skin Contact: This product may be corrosive to the skin.

Inhalation: Exposure via inhalation not likely. High vapor or aerosol mist concentrations may be irritating to the nose, throat and upper respiratory tract.

Ingestion: This product may be harmful if it is swallowed. Ingestion of this product may cause nausea, vomiting and diarrhea.

Effects of Chronic Exposure: See Section 11.

SECTION IV – FIRST AID MEASURES

Eye Contact: Flush with water for 15 minutes. Seek medical attention if irritation persists.

Skin Contact: Flush with water for 15 minutes. Seek medical attention if irritation develops.

Inhalation: Remove to fresh air and take deep, slow breaths. Seek medical attention if irritation persists.

Ingestion: Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Seek medical attention if symptoms persist. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing.

SECTION V – FIRE FIGHTING MEASURES

Flammability: Not flammable. **Flash Point:** (deg C, TCC): None
LEL: None **UEL:** None
Auto-Ignition Temperature: None
Hazardous Combustion Products: May include ammonia, oxides of carbon and nitrogen.
Means of Extinction: Water mist (fog), dry chemical, carbon dioxide, or foam.
Special Fire Hazards: Firefighters should wear self-contained breathing apparatus.
Explosion Data – Sensitivity to Mechanical Impact: None.
Explosion Data – Sensitivity to Static Discharge: None.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Emergency Action: Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. Wear appropriate personal protective equipment during cleanup. **Small Spills:** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. **Large Spills:** Dike ahead of liquid spill for later disposal. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. Do not touch or walk through spilled material. Surfaces may become slippery after spillage.

SECTION VII – HANDLING AND STORAGE

Storage Requirements: KEEP OUT OF REACH OF CHILDREN. Store in a closed container. Store in a cool, dry, well-ventilated area away from incompatible materials. DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

SECTION VIII – EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves: Use rubber gloves.
Eye protection: Use safety glasses when direct contact may occur.
Respiratory protection: Not normally required if good ventilation is maintained.
Other protective equipment: As required by employer code.
Engineering Controls: General ventilation normally adequate.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|-------------------------------------|
| Appearance/Odor: Clear colorless; Bland. | Physical State: Liquid |
| Boiling Point (°C): 100 | Freezing Point (°C): NE |
| Specific Gravity (H₂O=1): 1.00 | VOC (g/L): 11 |
| Evaporation Rate (Water=1): Similar | pH (as supplied): 7.50 |
| Coefficient of Water/Oil Distribution: NE | Viscosity: Water thin. |
| Vapor Pressure: NA | Solubility in Water: Soluble |
| Vapor Density: NA | Odor Threshold: NE |

SECTION X – STABILITY AND REACTIVITY

Conditions for Chemical Instability: Stable.
Incompatibility Materials: Strong oxidizing agents and strong alkaline.
Conditions of reactivity: NE
Hazardous Decomposition Products: Ammonia, oxides of carbon and nitrogen.

SECTION XI – TOXICOLOGICAL INFORMATION

LD₅₀: Not established for this product. **LC₅₀:** Not established for this product.
This product may cause irritation to the eyes or skin upon prolonged contact.
Conditions Aggravated by Exposure: None known.
Sensitization to Product: None known.
Carcinogenicity: No ingredients listed by IARC, NTP or OSHA.
Teratogenicity, Mutagenicity, Reproductive Effects: None known.
Toxicologically Synergistic Products: None known.

SECTION XII – ECOLOGICAL INFORMATION

Biodegradability: Not established for this product.
Aquatic Acute Toxicity: Toxic to fish.

SECTION XIII – DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state and federal regulations.

SECTION XIV - TRANSPORTATION

Special Shipping Information: Keep from freezing.
T.D.G. Classification: Not regulated under T.D.G.
D.O.T. Classification: Not regulated under D.O.T.

SECTION XV – REGULATORY INFORMATION

Occupational Health and Safety Regulations:
OSHA: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200).
US Federal Regulation: This product is a U.S. EPA registered pesticide.
Environmental Regulatory Lists:
SARA – Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 – None of these ingredients are listed.
CERCLA – Section 102 (Reportable Quantity) 40 CFR 302 – None of these ingredients are listed.
RCRA 40CFR 261 (SUBPART D) – None of these ingredients are listed.
CLEAN WATER ACT – Section 311 (Reportable Quantity) 40 CFR 116 - None of these ingredients are listed.
CLEAN AIR ACT – Section 312 (List of Hazardous Air Pollutants) 40 CFR 63 (Subpart C) – None of these ingredients are listed.
Toxic Substances Control Act (TSCA) – All the ingredients are registered on the Chemical Substance Inventory.

SECTION XVI – OTHER INFORMATION

Date: October 10, 2011
Prepared by: Technical Services Group **Telephone:** (705) 745-3070

NA: Not Available NE: Not Established

Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the supplier be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the supplier has been advised of the possibility of such damages.