Neutral Disinfectant Cleaner 256

DESCRIPTION
This product is a one-step disinfectant cleaner and deodorant designed for general cleaning, disinfecting, deodorizing, and controlling mold and mildew on hard, non-porous environmental surfaces. It cleans quickly, removing dirt, grime, mold, mildew, body oils and other common soils found in hospitals, nursing homes, schools and colleges, day care centers, medical offices, funeral homes, veterinary clinics, pet shops, animal life science laboratories, hotels, motels, public areas and restrooms. For use in: Federally inspected meat and poultry plants as a floor and wall cleaner for use in all departments. Food products and packaging material must be removed from the room or carefully protected. All surfaces must be thoroughly rinsed with potable water. This product may be used on washable hard, non-porous surfaces such as: floors, walls, glass, laminated surfaces, metal, stainless steel, glazed porcelain, plastic, chrome, vinyl, enameled surfaces, painted woodwork.

DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Not for use on medical devices or medical equipment surfaces.

Disinfect

PREPARATION OF USE SOLUTION
For water hardness up to 400 ppm add 1/2 fluid ounce per gallon of water (1:256) to disinfect hard, non-porous surfaces. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished. Apply use solution to hard, inanimate, non-porous surfaces thoroughly wetting surfaces as recommended and required, with a cloth, mop, sponge or sprayer. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface. Rub with brush, sponge or cloth. Do not breathe spray. NOTE: With spray applications cover or remove all food products. Prepare a fresh solution at least daily or when use solution becomes visibly dirty. Rinse all surfaces that come in contact with food such as countertops, appliances, tables and stovetops with potable water before reuse. Do not use this product to clean or disinfect utensils, glassware, dishes or interior surfaces of appliances. For Use as a Cleaner and or Deodorizer: Apply use solution to surfaces. Wipe surfaces and let air dry. For heavy-duty use, add 2 fluid ounces per gallon of water (1:64) to clean hard, non-porous surfaces.

Toilet Bowls/Urnals: Swab bowl with brush to remove heavy soil prior to cleaning or disinfecting. Clean by applying use-solution around the bowl and up under the rim. Stubborn stains may require brushing. To disinfect, first preclean to remove heavy soil, then remove or expel over the inner trap the residual bowl water. Pour in 3 oz. of the use dilution. Swab the bowl completely using a scrub brush or mop, making sure to get under rim. Let stand for 10 minutes or overnight, then flush.

FUNGICIDAL DIRECTIONS: For use in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities. Use as directed at a 1:256 dilution (1/2 fluid ounce per gallon of water). Allow surface to remain wet for ten minutes. Use as a floor and wall cleaner for use in all departments. Food products and packaging material must be removed from the room or carefully protected. All surfaces must be thoroughly rinsed with potable water. This product may be used on washable hard, non-porous surfaces such as: floors, walls, glass, laminated surfaces, metal, stainless steel, glazed porcelain, plastic, chrome, vinyl, enameled surfaces, painted woodwork.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Color (Concentrate)</th>
<th>Clear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color (Ready-to-Use)</td>
<td>Clear</td>
</tr>
<tr>
<td>pH (Concentrate)</td>
<td>7.31</td>
</tr>
<tr>
<td>pH (Use Dilution)</td>
<td>7.0-7.2</td>
</tr>
<tr>
<td>Specific Gravity (g/cc)</td>
<td>1.006</td>
</tr>
</tbody>
</table>

SAFETY INFORMATION

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER. KEEP OUT OF REACH OF CHILDREN. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing fumes. Wear goggles, rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash clothing before reuse.

PHYSICAL OR CHEMICAL HAZARDS
Do not mix with oxidizers, anionic soaps and detergents. Do not use or store near heat or open flame.

STORAGE AND DISPOSAL: Store in original container in areas inaccessible to children. Do not store on side. Avoid creating or impaling of side walls. Do not reuse empty container. Wrap and discard in trash (or recycle).

ENVIRONMENTALLY RESPONSIBLE

This product is registered with the US Environmental Protection Agency (US EPA).

HMS HAZARD CODE
2 HEALTH
0 FLAMMABILITY
8 PERSONAL PROTECTION

PPE Information: Respiratory protection is not required. Special ventilation is not required. The use safety glasses and gloves are recommended. No other protective equipment is required.

These statements comply with OSHA Hazard Communication Standard 1910.1200 and are based on the IFRA and FEMA Safety Data Sheets.
**SECTION 1 - MANUFACTURER / DISTRIBUTOR INFORMATION**

Product Name: #21 Neutral Disinfectant Cleaner 256  
Supplier’s Name: National Chemical Laboratories of PA, Inc.  
Supplier’s Address: 401 N. 10th Street - Philadelphia PA 19123  
HMIS Hazard Code: Health: 2 Flammability: 0 Reactivity: 0 Other: 0  
Chemical Family: Disinfectant Cleaner  
D.O.T. Shipping Name: Disinfectant Liquid Corrosive, NOS (Quaternary Ammonium Compound)  
Hazard Class: 8  
D.O.T. ID#: UN1903

**SECTION 2 - HAZARDOUS INGREDIENTS**

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS NUMBER</th>
<th>% Concentration Range</th>
<th>Hazard Ratings (TLV/PEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyl dimethyl benzyl ammonium chloride (C12-16)</td>
<td>88424-85-1</td>
<td>PROP</td>
<td>N/A</td>
</tr>
<tr>
<td>Didecyl dimethyl ammonium chloride</td>
<td>7173-51-5</td>
<td>PROP</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**SECTION 3 - PHYSICAL DATA**

- **Specific Gravity:** 1.006  
- **Vapor Density:** Estimated to be heavier than air  
- **Odor:** None  
- **Odor:** None  
- **Solubility in Water:** Complete  
- **pH:** 7.31  
- **Evaporation Rate:** Not determined  
- **Appearance:** Colorless

**SECTION 4 - FIRE AND EXPLOSION DATA**

- **Flash Point (°C):** None when heated to 105°C (Tag Closed Cup)  
- **Upper and Lower Flame Limits:** Not determined  
- **Fire fighting Equipment & Instructions:** Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.  
- **Extinguishing media:** Dry chemical, foam, carbon dioxide, water fog or any other agent suitable for surrounding fire.  
- **Hazardous Combustion Products:** Irritating and toxic gases or fumes may be released during a fire.  
- **Unusual Fire & Explosion Hazards:** Combustion products are toxic.

**SECTION 5 - HEALTH HAZARD DATA**

**Potential Health Effects:**  
- **Skin:** Causes corrosive burns. Brief exposures may cause irritation and defatting of the skin. Exposures not promptly washed off may lead to toxic effects similar to ingestion.  
- **Eyes:** Causes burns and may result in permanent injury to eyes including blindness.  
- **Inhalation:** Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. Symptoms may include headaches, dizziness, and drowsiness. Harmful if inhaled.  
- **Ingestion:** Ingestion can cause gastrointestinal irritation, swelling of the larynx, difficulty in breathing, circulatory shock, convulsions and possibly death.  
- **Chronic:** Ingestion of ethanol by pregnant women can cause reproductive toxicity to the fetus.  
- **First Aid Measures:**  
  - **Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.  
  - **Eye Wash:** Immediately flush eyes with water for 15-20 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once.  
  - **Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.  
  - **Eye Wash:** Immediately flush eyes with water for 15-20 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once.  

**SECTION 6 - REACTIVITY DATA**

- **Stability:** Material is stable.  
- **Conditions to Avoid:** Keep away from heat and strong oxidizing agents.  
- **Incompatibility:** Strong oxidizing agents (may result in fire.), reducing agents.  
- **Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, hydrogen chloride vapors.  
- **Hazardous Polymerization:** Will not occur.

**SECTION 7 - SPILL OR LEAK PROCEDURES**

**Spill and Leak Procedures:**  
- **Emergency Action:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas where vapors may accumulate. Eliminate all ignition sources (no smoking, fires, sparks, or flames in immediate area).  
- **Spill Clean-up:** Ventilate closed spaces before entering. All equipment used when handling the product must be grounded.  
- **Evaporation Rate:** Not determined  
- **Appearance:** Colorless  
- **Flash Point:** None when heated to 105°C (Tag Closed Cup)  
- **Upper and Lower Flame Limits:** Not determined  
- **Extinguishing media:** Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.  
- **Extinguishing media:** Dry chemical, foam, carbon dioxide, water fog or any other agent suitable for surrounding fire.  
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**SECTION 8 - SPECIAL PROTECTION INFORMATION**

- **Engineering Controls:** Provide adequate local exhaust ventilation (exposure proof) to maintain worker exposure below exposure limits.  
- **Personal Protective Equipment:**  
  - **Eyes/Face:** Use chemical goggles.  
  - **Skin:** Use impervious gloves (rubber or neoprene).  
  - **Respiratory:** If exposure limits are exceeded or if irritation is experienced, a NIOSH/MSHA approved respirator or an organic/vapor removing cartridge respirator protection device should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures.  

**SECTION 9 - SPECIAL PRECAUTIONS**

- **Handling Procedures:** Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities. Wash thoroughly after work using soap and water.  
- **Storage Procedures:** Keep the container tightly closed and in a cool, well-ventilated place. Keep from freezing. Do not handle or store near an open flame, heat or other sources of ignition. Prevent electrolytic discharge buildup by using common bonding and grounding techniques.  
- **Other Precautions:** It is a violation of federal law to use this product in a manner inconsistent with its labeling. Keep out of reach of children. For professional use only.

The information contained in this MSDS was obtained from current and reliable sources, however the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions of handling, storage and disposal of this product are beyond the control of this company, it is not responsible for loss, injury and expense arising out of the product’s improper use. No warranty, expressed or inferred, regarding the product described in this MSDS shall be created or inferred by any statement in this MSDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use or disposal of this product which may be covered by this MSDS. The user is responsible for full compliance.