

MATERIAL SAFETY DATA SHEET

EPA Reg. No. 1839-169-1658

EPA Est. No. 1658-MO-1

NFPA RATING: Health = 1 Flammability = 0 Reactivity = 0
 HMIS RATING: Health = 1 Flammability = 0 Reactivity = 0

SECTION I – IDENTITY AND MANUFACTURER'S INFORMATION (2 oz/gal. Ready to Use)

Manufacturer's Name: HILLYARD INDUSTRIES

Product Name: **NON-ACID RESTROOM
DISINFECTANT/CLEANER**Address: 302 North Fourth Street
St. Joseph, MO 64501Date Prepared: November 11, 2013 (version 5)
Prepared by: Regulatory Affairs DepartmentEmergency Telephone No.: (800)-424-9300 (Only in the event of chemical emergency involving a spill, leak, fire,
exposure or accident involving chemicals.)

Other information calls: (816) 233-1321 (Ext. 8285)

<http://www.hillyard.com>***SECTION II – INGREDIENTS/IDENTITY INFORMATION****Components****(Specific Chemical Identity:**

| Common Name(s) | CAS# | OSHA PEL | ACGIH TLV | OTHER LIMITS RECOMMENDED | % |
|---|------------|----------|-----------|-----------------------------|------|
| Water | 7732-18-5 | N/E | N/A | N/A | >99% |
| Alkyl dimethyl benzyl ammonium chloride | 68424-85-1 | N/E | N/A | N/A | --- |
| *Octyl decyl dimethyl ammonium chloride | 32426-11-2 | N/E | N/A | N/A | --- |
| Dioctyl dimethyl ammonium chloride | 5538-94-3 | N/E | N/A | N/A | --- |
| Didecyl dimethyl ammonium chloride | 7173-51-5 | N/E | N/A | N/A | --- |

N/E = Not Established N/A = Not Applicable

***SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS**

Boiling Point: 207°F **Specific Gravity (H₂O = 1): 25°C =** 1.00 **Density =** 8.33 lb/gl
Vapor Pressure (mm Hg.): 17.6 **Percent Volatile by Weight (%):** >99%
Vapor Density (AIR = 1): 0.6 **Evaporation Rate (ethyl ether = 1):** Slower than 1
Solubility in Water: Complete ***Appearance and Odor:** Clear, pale blue liquid; floral odor
pH of concentrate: 6.5 – 7.5

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash point: None to boiling (Tag Closed Cup) **Flammable Limits:** LEL = N/A UEL = N/A
Extinguishing Media: N/A
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: None

SECTION V – PHYSICAL HAZARDS

Stability: Stable **Conditions to Avoid:** None known to Hillyard
Incompatibility (Materials to Avoid): Strong acids
Hazardous Decomposition Products or Byproducts: Thermal decomposition may yield trace amounts of carbon monoxide, carbon dioxide, ammonia, and nitrous oxides.
Hazardous Polymerization: Will not occur **Conditions to Avoid:** None known to Hillyard

SECTION VI – HEALTH HAZARD DATA

Routes of entry: Inhalation? No Skin? yes Ingestion? Yes

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. Causes moderate eye irritation, avoid contact with eyes. Wash thoroughly with soap and water after handling. Inhalation of fine fog mist can cause irritation of mucous membranes. Fine fog mist application is not recommended.
2. None known by Hillyard.

SECTION VI – HEALTH HAZARD DATA continued

Chemical listed as Carcinogen or Potential Carcinogen:

National Toxicology Program = No I.A.R.C. Monographs = No OSHA = No

Signs and Symptoms of Exposure: Prolonged contact may cause minimal eye irritation and slight skin irritation. Ingestion of diluted material may cause gastrointestinal tract irritation.

Medical Conditions Generally Aggravated by Exposure: None known to manufacturer.

Emergency and First Aid Procedures: In case of contact immediately flush eyes or skin with water for 15 minutes; if irritation persists Get Medical Attention. Ingestion: Drink promptly a large quantity of water. Avoid alcohol. Call a physician.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Contain spill. Avoid contamination of food, water or feed.

Waste Disposal Method: Dispose of in accordance with all federal, state, and local regulations.

Precautions To Be Taken In Handling And Storing: Keep away from children.

Other Precautions: Triple rinse empty containers thoroughly with water before disposal. This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 313 of SARA Title III Emergency Planning and Community Right to Know Act of 1986 and 40 CFR Part 372.

SECTION VIII – CONTROL MEASURES

Respiratory Protection (Specify Type): None normally required. If exposed to fine mist droplets of less than 15 microns, a NIOSH/MSHA approved respirator should be worn.

Ventilation:

Local Exhaust = N/A **Mechanical (General) =** Recommended **Special =** N/A **Other =** N/A

Protective Gloves: None normally required for product **Eye Protection:** None normally required for product

Other Protective Clothing or Equipment: None.

Work / Hygienic Practices: Wash hands thoroughly after handling.

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NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY NATURE ARE MADE WITH RESPECT TO THE PRODUCT(S) OR INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET.

The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. All information contained herein is presented in good faith and is believed to be appropriate and accurate.

THE BUYER OR USER ASSUMES ALL RISKS ASSOCIATED WITH THE USE, MISUSE OR DISPOSAL OF THIS PRODUCT. THE BUYER OR USER IS RESPONSIBLE TO COMPLY WITH ALL FEDERAL, STATE OR LOCAL REGULATIONS CONCERNING THE USE, MISUSE OR DISPOSAL OF THESE PRODUCTS.

Version 5, * Denotes revisions since last published MSDS. Supersedes Version 4 November 1, 2013