

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

SECTION I – IDENTITY AND MANUFACTURER'S INFORMATION (513N-90C)

Manufacturer's Name: HILLYARD INDUSTRIES Product Name: SANITIZER Ready to Use(1:256)
 Address: 302 North Fourth Street Date Prepared: November 28, 2005
 St. Joseph, MO 64501 Prepared by: Regulatory Affairs Department
 Emergency 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	%
Didecyl dimethyl ammonium chloride	7173-51-5	not established	N/A	N/A	0.01
n-Alkyl (C ₁₄ 50%, C ₁₂ 40%, C ₁₆ 10%) dimethyl benzyl ammonium chloride	8001-54-5	not established	N/A	N/A	0.006
Deionized water	7732-18-5	none	N/A	N/A	---
VOC = 0%					

SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 210°F	Specific Gravity (H ₂ O = 1): 25°C = 1.00 & 39°C = 1.00
Vapor Pressure (mm Hg.): 17.5	Percent Volatile by Volume (%): 93-98%
Vapor Density (AIR = 1): 0.6	Evaporation Rate (ethyl ether = 1): slower than 1
Solubility in Water: complete	Appearance and Odor: clear, colorless liquid; non-objectionable odor
pH of concentrate: 6.0-8.0	

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash point: None °F (Tag Closed Cup) Flammable Limits: LEL = Not known UEL = Not known
 Extinguishing Media: Alcohol foam, carbon dioxide, dry chemical, water
 Special Fire Fighting Procedures: Must wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.
 Unusual Fire and Explosion Hazards: Products of combustion are toxic. Heated solvent vapors can travel to an ignition source and flash back.

SECTION V – PHYSICAL HAZARDS

Stability: Stable Conditions to Avoid: None known
 Incompatibility (Materials to Avoid): None known
 Hazardous Decomposition Products or Byproducts: Thermal decomposition may produce toxic vapors/fumes of Hydrogen chloride, amines, and other organic materials, and oxides of carbon and nitrogen
 Hazardous Polymerization: Will not occur Conditions to Avoid: None known to Hillyard

SECTION VI – HEALTH HAZARD DATA

Routes of entry: Inhalation? yes Skin? yes Eye? Yes Ingestion? no

HEALTH HAZARDS (1. Acute and 2. Chronic)

1 Prolonged contact may cause mild eye irritation. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and rubber gloves. Wash thoroughly with soap and water after handling. Harmful if swallowed. Remove contaminated clothing and wash clothing before reuse.

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 with diluted product may cause mild eye or skin irritation.

SECTION VI – HEALTH HAZARD DATA continued

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

Emergency and First Aid Procedures: Eyes and skin: Flush with large amounts of running water for at least 15 - 20 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. If eye irritation persists, get medical attention.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Wash thoroughly with soap and water after handling. Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid and solid separately to containers of recovery or disposal. Keep spill out of sewers and open bodies of water.

Waste Disposal Method: Dispose of in compliance with all federal, state and local laws and regulations. Incineration is the preferred method.

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

Other Precautions: This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 313 of SARA Title III Emergency Planning & Community Right to Know Act of 1986 and 40 CFR Part 372.

SECTION VIII – CONTROL MEASURES

Ventilation: Do not apply with a fine fog mist, proper ventilation must be provided in accordance with good ventilation practices.

Respiratory Protection (Specify Type): Where good engineering practices provide proper ventilation no additional ventilation is required when used according to label direction. **Protective Gloves:** No required when diluted properly. **Eye Protection:** None required when used according to label directions. **Other Protective Clothing or Equipment:** None known to manufacturer.

Work / Hygienic Practices: Wash hands thoroughly after handling.

Precautions for storage and handling: Store at temperatures below 140°F. Keep containers closed until used. Do not contaminate drinking water, food or feed by storage or disposal.

DISCLAIMER OF WARRANTIES

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.