

Material Safety Data Sheet
 EPA Reg. No. 1839-174-1658 EPA Est. No. 11694-KS-1

HMIS®

HEALTH	1	REACTIVITY	0
FLAMMABILITY	1	PERSONAL PROTECTION	A

Hillyard Quick & Clean® Germicidal Disinfectant Wipes - SAMPLE

SECTION 1: Company Identification

Distributed By Hillyard Industries, Inc.	Emergency Telephone Number 1-800-424-9300
Address (Number, Street, City, State, and ZIP Code) P.O. Box 909	Telephone Number for Information 1-816-233-1321 Ext. 8285
St. Joseph, MO 64502 www.hillyard.com	Date Prepared June 17, 2008

SECTION 2: Ingredients/Identity Information

Components (Chemical Identity, Common Name(s))	CAS No.	OSHA PEL	ACGIH-TLV	Other Limits Recommended	% (Opt.)
Water	7732-18-5	None	None		60 – 100%
Diethylene glycol monobutyl ether	112-34-5	None	None		5 – 10%
Tetrasodium ethylenediaminetetraacetate	64-02-8	None	None		3 – 7%
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	None	None		0.1 – 1%
Alkyl dimethyl ethylbenzyl ammonium chloride (68% C12, 32% C14)	85409-43-0	None	None		0.1 – 1%

Any substance listed as hazardous by the States of California, Florida, Illinois, Michigan, New Jersey, Ohio, Pennsylvania or Texas is described above if known present in regulated concentrations.

SECTION 3: Hazards Identification

Route(s) of Entry	Eyes?	Yes	Inhalation?	No	Skin?	Yes	Ingestion?	Yes
Acute Health Hazards - Caution. May cause eye or skin irritation. May cause irritation of throat, stomach and gastrointestinal tract.								
Chronic Health Hazards - None known								
Carcinogenicity:								
Chemical: None		OSHA: No		NTP: No			IARC: No	
Signs and Symptoms of Exposure - Redness, tearing or burning in eyes. Redness, drying or cracking of skin. Irritation of the throat or stomach, nausea, and diarrhea if swallowed.								
Medical Conditions Generally Aggravated by Exposure – Pre-existing skin conditions such as dermatitis may be adversely affected.								

SECTION 4: Emergency and First Aid Procedures:

Eyes - Immediately flush with plenty of water for at least 15 minutes lifting eyelids to insure complete removal. If irritation persists, get medical attention.

Ingestion - Do not induce vomiting unless directed by a physician. Never give anything by mouth to an unconscious person. If ingestion of a large amount does occur, call a physician or poison control center immediately.

Inhalation - Get to fresh air. If breathing has stopped, qualified personnel should administer artificial respiration. If breathing is difficult give oxygen.

Skin - Flush with plenty of water for at least 15 minutes while removing contaminated clothing. If irritation arises and persists, call a physician. Launder contaminated clothing and shoes before reuse.

SECTION 5: Fire Fighting Measures

Flash Point (Method Used) None to Boiling (PMCC)	Flammable Limits No Data	LEL No Data	UEL No Data
Extinguishing Media - Not usually necessary as this product does not readily support combustion. Use extinguishing agent appropriate for fire's fuel source. (i.e. - Carbon dioxide, foam, dry chemical.)			
Special Fire Fighting Procedures - Keep containers cool and vapors down with water spray. Prevent runoff from entering sewers and public waterways. Wear self-contained breathing apparatus (SCBA) in chemical fires.			
Hazardous Products of Combustion - Carbon dioxide, carbon monoxide, various hydrocarbons, oxides of nitrogen, ammonia and soot.			
Unusual Fire and Explosion Hazards - None known.			

SECTION 6: Accidental Release Measures

Small Spill - Wipe up small releases with a dry absorbent cloth or other absorbent material.

Large Spill – Ventilate area and block traffic. Absorb liquid with vermiculite, absorbent cloth, or other absorbent material. Prevent material from entering sewers or drains. Transfer contaminated material into suitable container for proper disposal.

SECTION 7: Handling and Storage

Handling – Do not allow towel contact with eyes. Avoid contact with skin. Avoid breathing vapors or mists of this product. Wash thoroughly after handling. Do not contaminate water, food or feed by use or storage. Follow label directions carefully.

Storage – Store in a cool, dry well ventilated area. Avoid freezing or excessive heat. Keep out of reach of children. Keep container tightly sealed when not in use.

SECTION 8: Exposure Controls / Personal Protection

Eye Protection – If direct contact is possible wear approved safety glasses (ANSI Z87).

Skin Protection – Not usually necessary. If prolonged contact is possible use impervious gloves.

Respiratory Protections – Not usually necessary. Use with adequate ventilation. Use NIOSH/MSHA approved respirator if PELs or TLVs are exceeded.

Engineering Controls – Ventilation not usually necessary but should be provided in the event of overexposure.

SECTION 9: Physical and Chemical Properties

Appearance and Odor:	Clear colorless liquid with a lemon-lime scent impregnated on a towel.
PH	11.7 ± 0.5
Specific Gravity (70°F)	1.009
Boiling Point:	212° F
Melting Point:	No Data
Evaporation Rate (Butyl Acetate = 1)	No Data
Vapor Pressure (mm-Hg @ 70°F)	No Data
Vapor Density (AIR = 1)	> 1
Solubility in Water	Soluble
Volatile Organic Compounds (VOCs)	0.38 grams per liter or 0.04% by weight VOCs

SECTION 10: Stability and Reactivity

Hazardous Polymerization – This product will not undergo hazardous polymerization.

Hazardous Decomposition or Byproducts – Upon decomposition, this product may yield oxides of nitrogen and ammonia.

Chemical Stability - Stable

Incompatibility (Materials to Avoid) - Strong oxidizers.

SECTION 11: Toxicological Information

No Data

SECTION 12: Ecological Information

Toxic to fish and other aquatic organisms

SECTION 13: Disposal Consideration

Disposal Method - Dispose of in accordance with all applicable local, state, and federal regulations.

RCRA Waste Information – If this product becomes a waste, it would not be a hazardous waste as defined by RCRA (40 CFR 261). However the waste should be properly characterized to evaluate whether its composition has been modified prior to disposal.

SECTION 14: Transport Information

DOT Information – 49 CFR 172.101**Proper Shipping Description:** Not Regulated**Hazard Class:** None**Identification Number:** None**Packing Group:** None**Water Transportation:****Proper Shipping Description:** Not Regulated**Hazard Class:** None**Identification Number:** None**Packing Group:** None**Air Transportation:****Proper Shipping Description:** Not Regulated**Hazard Class:** None**Identification Number:** None**Packing Group:** None**Marine Pollutants:** None

SECTION 15: Regulatory Information

US Federal Regulations:**TSCA (Toxic Substances Control Act) Status**

All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

CERCLA RQ – 40 CFR 302.4 (a)

None Listed

SARA 313 Components – 40 CFR 372.65

None

State and Local Regulations:**California Proposition 65**

None

Section 16: Additional Information

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