

Material Safety Data Sheet

HMIS*



HEALTH	1	REACTIVITY	0
FLAMMABILITY	1	PERSONAL PROTECTION	A

SECTION I – Product and Company Identification

Identity (As Used on Label and List) EPA Reg. No. N/A Cardinal Remedy + Recovery Medicated Antiseptic Spray w/Benzalkonium Chloride	<i>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</i>
Distributed By Cardinal Laboratories, Inc.	Emergency Telephone Number 1-800-433-7387
Address (Number, Street, City, State, and ZIP Code) 710 South Ayon Ave. Azusa, CA 91702	Telephone Number for Information 1-800-433-7387
Formula # CL624	Date Prepared September 28, 2010 M.M.

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS No.	OSHA PEL	ACGIH-TLV	Other Limits Recommended	% (Opt.)
Benzalkonium Chloride	8001-54-5				

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

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 III Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H₂O = 1) @ 21°C	0.948 – 1.048
Vapor Pressure (mm-Hg @ 70° F)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Soluble	pH @ 21°C	4.22 – 4.70
Appearance and Odor – Clear, colorless, thin liquid. Characteristic odor.			

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used) Not established	Flammable Limits No Data	LEL No Data	UEL No Data
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Extinguishing Media -
Use water spray, carbon dioxide, dry chemical, or foam.

Special Fire Fighting Procedures - Keep containers cool and vapors down with water spray. Prevent runoff from entering sewers and public waterways. Wear SCBA in chemical fires.

Unusual Fire and Explosion Hazards -
Not expected to sustain combustion

Cardinal Remedy + Recovery Medicated Antiseptic Spray w/Benzalkonium Chloride
November 19, 2009 M.M.

SECTION V - Reactivity Data			
Stability	Unstable		Conditions to Avoid - Heat, sparks, open flames
	Stable	X	

Incompatibility (Materials to Avoid) -
None known

Hazardous Decomposition or Byproducts -
Unknown

Hazardous Polymerization	May Occur		Conditions to Avoid - None known
	Will Not Occur	X	

SECTION VI - Health Hazard Data

Route(s) of Entry	Eyes?	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes	Yes

Health Hazards (Acute and Chronic) -

Caution: Ingestion may cause abdominal discomfort, nausea, diarrhea, and vomiting. Avoid breathing vapor or spray mist. Inhalation may cause irritation of the respiratory tract and mucous membranes. Causes eye irritation. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
None known	No	No	No

Signs and Symptoms of Exposure -

Redness, tearing and burning in eyes. Redness drying and cracking skin.

Medical Conditions Generally Aggravated by Exposure -

Pre-existing skin and renal conditions could be aggravated by overexposures.

Emergency and First Aid Procedures:

Eyes - Hold eye open and rinse slowly and gently with water. Remove contact lenses, if present. Seek medical attention if irritation develops and persists. **Skin** - Wash thoroughly with soap and water. If irritation develops and persists, call a doctor for treatment advice. **Inhalation** - Get to fresh air. If breathing has stopped, qualified personnel should administer artificial respiration. **Ingestion** - Call a physician or poison control center.

SECTION VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled -

Caution, slip hazard. Wipe up small spills with an absorbent material. For large spills, isolate and ventilate area. Eliminate all ignition sources. Wear protective gear as necessary. Dike to prevent spread. Pick up with a vacuum or an absorbent material. Put in a suitable container for proper disposal.

Waste Disposal Method - Consult local, state, and federal regulations. Do not reuse empty container.

Precautions to be Taken in Handling and Storing - Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Store in a cool (under 120° F) dry location away from heat, sparks and open flame. Do not use around ignition sources such as heat, sparks, flame, etc. Do not smoke while using. Use with adequate ventilation.

Other Precautions - Follow label directions carefully. Keep out of reach of children. Keep container tightly sealed when not in use. Do not contaminate water, food or feed by use or storage. Do not swallow. Avoid inhaling mist and vapors.

SECTION VIII - Control Measures

Respiratory Protection (Specify Type) - Not usually necessary. Use with adequate ventilation.

Ventilation	Local Exhaust	Normal ventilation under normal use.	Special	None
	Mechanical (General)	Yes	Other	None

Protective Gloves -
Rubber or Neoprene

Eye Protection -
Wear safety glasses for splash protection.

Other Protective Clothing or Equipment -
Not usually necessary. Avoid direct contact.

Work/Hygienic Practices -

Normal. Wash hands after use and before eating, drinking, smoking, using restrooms, etc.

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.