



**ALDON CORPORATION**

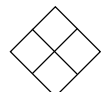
# MATERIAL SAFETY DATA SHEET

221 Rochester Street  
Avon, New York 14414-9409  
(585) 226-6177

MSDS No.: BB0095  
Effective Date: January 1, 2007

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	Benedict's Quantitative
<b>Chemical Synonyms</b>	Benedict's Sugar Test Reagent
<b>Formula</b>	Mixture.
<b>Unit Size</b>	up to 3.785 Lt.
<b>C.A.S. No.</b>	Mixture.



**CHEMTREC**  
800-424-9300  
Day 585-226-6177

<b>Health</b>	2
<b>Fire</b>	0
<b>Reactivity</b>	1

**NFPA**

HAZARD RATING				
MINIMAL	SLIGHT	MODERATE	SERIOUS	SEVERE
0	1	2	3	4

**HMIS\***

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Cupric sulfate: (CAS No. 7758-98-7)	1.90%	1 mg/m <sup>3</sup> as Cu dust
Sodium carbonate: (CAS No. 497-19-8)	11.99%	None established.
Potassium thiocyanate: (CAS No. 333-20-0)	7.38%	None established.
Potassium ferrocyanide: (CAS No. 13943-58-3)	0.01%	None established.
Sodium citrate: (CAS No. 68-04-2)	11.99%	None established.
Water: (CAS No. 7732-18-5)	65.32%	None established.

**CAUTION! HARMFUL IF SWALLOWED. AVOID CONTACT WITH SKIN, EYES AND MUCOUS MEMBRANES.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	N/A	Specific Gravity (H <sub>2</sub> O = 1)	1.145 @ 20°C
Boiling Point (°F)	Approx. 110-120°C (230-248°F)	Percent Volatile by Volume (%)	Approx. 98%
Vapor Pressure (mm Hg)	14 mm (water)	Evaporation Rate (Ether =1)	< 1
Vapor Density (Air=1)	0.7 mm (water).		
Solubility in Water	Complete.		
Appearance & Odor	Clear, light blue, water solution; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Non-flammable.	<b>Flammable Limits in Air % by Volume</b>	N/A	Lower	Upper
<b>Extinguisher Media</b>	Any media suitable for extinguishing supporting fire.				

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

When heated to decomposition, it burns and emits acrid fumes.

**D.O.T. NON-REGULATED.**

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

## SECTION V HEALTH HAZARD DATA

BB0095

**Threshold Limited Value** None established.

**Effects of Overexposure**  
**EYES:** Contact with solution may cause eye irritation. **SKIN:** Prolonged or repeated skin contact may cause irritation. **INGESTION:** May be harmful if swallowed. Exercise appropriate procedures to minimize potential hazards. Target organs: Liver, kidneys.

**Emergency and First Aid Procedures**  
**INGESTION:** Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Excessive temperature and heat to cause evaporation.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** Acids and strong oxidizers.

**Hazardous Decomposition Products** Thermal decomposition or burning may produce carbon dioxide and/or carbon monoxide, nitrous oxides, cyanides.

<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>
<b>May Occur</b>	<b>Will Not Occur</b>
	X
	Not applicable.

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled**  
Absorb spill with an inert dry material, sweep up and place in a suitable container for disposal. Wash spill area with soap and water.

**Waste Disposal Method** Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.  
Dispose of in accordance with federal, state and local regulations.

## SECTION VIII SPECIAL PROTECTION INFORMATION

<b>Respiration Protection (Specify Type)</b>	None required in normal laboratory use.			
<b>Ventilation</b>	<b>Local Exhaust</b>	None required.	<b>Special</b>	No.
	<b>Mechanical (General)</b>	None required.	<b>Other</b>	No.
<b>Protective Gloves</b>	Rubber.	<b>Eye Protection</b>	Chemical safety goggles.	

**Other Protective Equipment** Faceshield, smock, apron, proper gloves, eye wash station.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing**  
Store in a cool place, away from acid and acid fumes. Wash thoroughly after handling.  
Keep container tightly closed when not in use.

**Other Precautions** Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Avoid contact with skin, eyes and clothing.  
Remove and wash contaminated clothing before reuse.

<b>Revision No.</b> 7	<b>Date</b> 01/01/07	<b>Approved</b> James A. Bertsch	<b>Chemical Safety Coordinator</b> JAB
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