

98760

**MATERIAL SAFETY DATA SHEET**

SECTION 1 IDENTIFICATION	
Product Number	B1065
Product Name	Benedict's Qualitative Solution
Trade /Chemical Synonyms	
Formula	Not Applicable
RTECS	NONE
C.A.S. #	See below
Health:	2
Flammability:	0
Reactivity:	0
Hazard Rating: Least Slight Moderate High Extreme 0 1 2 3 4 NA = Not Applicable NE = Not Established	

SECTION 7 HANDLING AND STORAGE
Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION
<b>Respiratory Protection:</b> None required  <b>Ventilation:</b> Local Exhaust <input checked="" type="checkbox"/> Mechanical <input type="checkbox"/>  <b>Protective Gloves:</b> Gloves to prevent skin exposure as latex or vinyl  <b>Eye Protection:</b> Splash Goggles  <b>Other Protective Equipment:</b> Wear appropriate clothing to prevent skin exposure

SECTION 2 MIXTURE COMPONENTS					
Sara 313	Component	CAS Number	%	Dim.	Exposure Limits:
<input type="checkbox"/>	Cupric Sulfate	CAS# 7758-99-8	1.73%	W/V	OSHA TWA 1 mg(Cu)/m <sup>3</sup>
<input type="checkbox"/>	Sodium Carbonate Anhydrous	CAS# 497-19-8	10%	W/V	None Established
<input type="checkbox"/>	Sodium Citrate	CAS# 6132-04-3	17.3%	W/V	None Established
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

SECTION 3 HAZARD IDENTIFICATION (SEE ALSO SECTION 11)
Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES	
<b>Melting Point:</b> not available <b>Boiling Point:</b> 230-248° F <b>Vapor Pressure:</b> not available <b>Vapor Density:</b> not available <b>Solubility in Water:</b> Soluble <b>Appearance /Odors:</b> light blue odorless liquid <b>Flash Point:</b> not flammable <b>Specific Gravity:</b> 1.145	<b>Percent Volatile by Volume:</b> ~72% <b>Evaporation Rate:</b> <b>Evaporation Standard:</b> <b>Auto Ignition Temp:</b> Not applicable <b>Lower Flamm. Limit in Air:</b> Not applicable <b>Upper Flamm. Limit in Air:</b> Not applicable

SECTION 4 FIRST AID MEASURES
<b>FIRST AID: SKIN:</b> Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention  <b>EYES:</b> Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. <b>INHALATION:</b> Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen  <b>INGESTION:</b> If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

SECTION 10 STABILITY AND REACTIVITY INFORMATION
<b>Stability:</b> Stable <b>Conditions to Avoid:</b> excessive heat. <b>Materials to Avoid:</b> Strong oxidizing agents, strong acids.  <b>Hazardous Decomposition Products:</b> oxides of carbon, nitrogen and sulfur <b>Hazardous polymerization:</b> not expected to occur <b>Conditions to Avoid:</b> None known

SECTION 5 FIRE FIGHTING MEASURES
<b>Fire Extinguisher Type:</b> Any means suitable for extinguishing surrounding fire <b>Fire / Explosion Hazards:</b> may emit toxic fumes. <b>Fire Fighting Procedure:</b> Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 11 ADDITIONAL INFORMATION
<b>Target organs:</b> eyes, skin, respiratory and GI tracts. Acute- Eye contact may cause irritation. May cause irritation to respiratory tract. May cause GI tract discomfort if swallowed. Chronic: Unknown. If swallowed, induce vomiting, Call a poison control center immediately. <b>DOT Classification:</b> Not Regulated

SECTION 6 ACCIDENTAL RELEASE MEASURES
Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

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