

SECTION 1 IDENTIFICATION	
Product Number	020-9879
Product Name	Benedict's Qualitative Solution
Trade /Chemical Synonyms	
Formula	
RTECS	NONE
C.A.S. #	
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	
Respiratory Protection:	None required
Ventilation:	Local Exhaust <input checked="" type="checkbox"/> Mechanical <input type="checkbox"/>
Protective Gloves:	Gloves to prevent skin exposure as latex or vinyl
Eye Protection:	Splash Goggles
Other Protective Equipment:	Wear appropriate clothing to prevent skin exposure

SECTION 2 MIXTURE COMPONENTS					
Sara 313	Component	CAS Numbe	%	Dim.	Exposure Limits
<input type="checkbox"/>	Cupric Sulfate	CAS# 7758-99-8	1.73%	W/V	OSHA TWA 1 mg(Cu)/m ³
<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 4 FIRST AID MEASURES
FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention
EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen
INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

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

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.

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

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

SECTION 11 ADDITIONAL INFORMATION	
Target organs: 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.	
DOT Classification:	Not Regulated

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

Rev. No: 0 Date Entered: 8/1/2005 Approved: RMC Safety Dir. RMC