

# MATERIAL SAFETY DATA SHEET

Benedict's Qualitative Solution

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Benedict's Qualitative Solution  
Product Code: B1065  
Material Uses:  
Manufacturer: Science Stuff  
1104 Newport Ave  
Austin, TX 78753  
(512) 837-6020  
Entry Date : 5/28/2013  
Print Date: 5/28/2013  
24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

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 2 HAZARD IDENTIFICATION

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 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Cupric Sulfate	CAS# 7758-99-8	1.73%	W/V	OSHA TWA 1 mg(Cu)/mf
<input type="checkbox"/>	Sodium Carbonate Anhydrous	CAS# 497-19-8	10%	W/V	None Established
<input type="checkbox"/>	Sodium Citrate Dihydrate	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 4 FIRST AID MEASURES

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.

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

## Benedict's Qualitative Solution

surrounding fire  
may emit toxic fumes.

Fire / Explosion Hazards:

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 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

Mechanical

Protective Gloves: Gloves to prevent skin exposure as rubber or vinyl

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

### 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 Toxicological Information

Benedict's Qualitative Solution

**SECTION 12 Ecological Information**

**SECTION 13 Disposal Considerations**

**SECTION 14 Transport Information**

DOT Classification: Not Regulated

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

**SECTION 15 Regulatory Information**

**SECTION 16 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.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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