

# IMPORTANT

## MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL

OSHA requires that this form be kept on file.

Product No. SA 7878 M

Product Name BENEDICT'S

QUANTITATIVE SOLUTION

EXTREME	Health Hazard	2
	Flammability	0
	Reactivity	0

### SECTION I NAME

Chemical Synonyms None

Formula See Section II

C.A.S. No. See Section II

### SECTION II HAZARDOUS INGREDIENTS OR MIXTURES

Principal Hazardous Component(s)	C.A.S. #	% PEL	TLV Units
Potassium Ferrocyanide	#14459-95-1	<1%	None Established
Sodium Citrate	#68-04-2	---	None Established
Sodium Carbonate, mono	#5968-11-6	---	None Established
*Cupric Sulfate	#7758-98-7	---	5 mg/m <sup>3</sup> nuisance dust None Established
Potassium Thiocyanate	#333-20-0	---	1 mg/m <sup>3</sup> None Established

\* Chemical subject to the reporting requirements of SARA Title III.

### SECTION III

Melting Point (°F)	N/A	Specific Gravity (H <sub>2</sub> O=1)	N/A
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Complete		
Appearance & Odor	Blue Solution		

### SECTION IV HAZARDOUS REACTION DATA

Flash Point (Method Used)	Nonflammable	Flammable Limits In Air		
		% by Volume	Lower	Upper
			N/A	N/A

Extinguisher Suitable to extinguish the supporting flame.

### Special Firefighting Procedures

Wear self-contained breathing apparatus.

### Unusual Fire and Explosion Hazards

Fumes of cyanides may be released when heated to decomposition.

DEC 06 1995

D.O.T. Not Regulated

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

See Section II

9072

### Effects of Overexposure

Irritates skin, mucous membranes, nose and throat. Skin ulcers, local discoloration, eczema. May irritate or burn eyes (sclera). Ingestion may irritate mouth, esophagus, stomach, etc.

### Emergency and First Aid Procedures

Consult a physician.

Inhalation: Remove to fresh air.

Eye & Skin: Flush contact area with water.

Ingestion: If conscious, induce vomiting.

### SECTION VI

Stability  Stable  Unstable

Incompatibility (Materials to Avoid)

Reducing agents, alkalis, strong oxidizing agents, active halogen compounds.

Hazardous Decomposition Products

Fumes of cyanides, carbon dioxide, sulfuric acid, sulfur dioxide, copperfumes.

Hazardous Polymerization

May Occur  Will Not Occur

Conditions to Avoid

N/A

### SECTION VII

Steps to be Taken in Case Material is Released or Spilled

Small spill: Absorb and dispose as general trash or incinerate. Flush area with water. Large spill: A spill with lime or any noncombustible material and containerize for proper disposal.

### 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 or small amount may be disposed as general trash or incinerated. Flush water may be sent to an approved sewer. Comply with all federal, state and local regulations.

### SECTION VIII

Respiration Protection (Specify Type)

NIOSH approved dust/mist mask.

### Ventilation

Local Exhaust

Mechanical (General)

Satisfactory

Special

Protective Gloves

Rubber gloves

Eye Protection

Splash goggles

Other Protective Equipment

Lab coat or apron. Eye wash station.

### SECTION IX

Precautions to be Taken in Handling & Storing

Keep container tightly closed when not in use. Store in a clean, cool, dry area. Keep container tightly closed.

### Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals. Avoid any contact with skin, eyes or respiratory system.

Approved by Steven C. Quarrt

Effective Date 06/07/95

For Laboratory use only. Not for household use. Keep out of reach of children.

The information contained herein is furnished without warranty of any kind. Employees should use this information only as a supplement to other information gathered by the user.