

IMPORTANT

MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL
OSHA requires that this form be kept on file.

Product No. SA 9377 M

Product Name BENEDICT'S QUALITATIVE SOLUTION

Health Hazard	2
Flammability	0
Reactivity	0

Chemical Synonyms	N/A
Formula	N/A
C.A.S. No.	See Section II

Principal Hazardous Component(s)	%	P.E.L.	TLV Units
Potassium Ferrocyanide	C.A.S. # 13746-66-2	<1%	none established
Sodium Citrate	C.A.S. # 68-04-2	none established	none established
Sodium Carbonate, mono.	C.A.S. # 5968-11-6	none established	none established
Cupric Sulfate *	C.A.S. # 7758-98-7	none established	none established
Potassium Thiocyanate	C.A.S. # 333-20-0	none established	none established

* chemical subject to the reporting requirements of SARA Title III.

Melting Point (°F)	N/A	Specific Gravity (H ₂ 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.		
Flash Point (Method Used)	Nonflammable	Flammable Limits in Air % by Volume	Lower N/A Upper N/A

Extinguisher Media 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.

SB14330 Nasco Intermediate Sc Kit GR 4-9

DEC 06 1995

D.O.T. Not Regulated

Approved by J. S. (Name) and J. S. (Name) in form 0010A-00

See Section II

Effects of Overexposure

Irritates skin, mucous membranes, nose and throat. Skin ulcers, local discoloration, eczema, dermatitis. 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.

EYES/SKIN: Flush contact area with water.

INGESTION: If conscious, induce vomiting.

Stability	Stable ☒ Unstable ☐	Conditions to Avoid	Heat, humidity.
Incompatibility (Materials to Avoid)		Reducing agents, alkalies, strong oxidizing agents, active halogen compounds	

Hazardous Decomposition Products	Fumes of cyanides, carbon dioxide, sulfuric acid, sulfur dioxide, copper fumes
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Hazardous Polymerization May Occur ☐ Will Not Occur ☒	Conditions to Avoid	N/A
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Steps to be Taken in Case Material is Released or Spilled
Absorb and dispose. Flush area with water. LARGE SPILL: Absorb 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 quantities. Small amount may be disposed as general trash or incinerated. Flush water may be sent to an approved sewer.

Respiration Protection (Specify Type)	NIOSH approved dust/mist mask.
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Ventilation	Local Exhaust	Mechanical (General)	X	Special	
Protective Gloves	Rubber Gloves	Eye Protection		Safety goggles	

Other Protective Equipment	Lab coat or apron
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SECTION IX SPECIAL PRECAUTIONS
Precautions to be Taken in Handling & Storing
Keep container tightly closed when not in use.
Store in a clean, cool, dry area.

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. Chard	Effective Date	11/14/94	For laboratory use only. Not for use in industrial settings. Keep out of reach of children.
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The information contained herein is furnished without warranty of any kind. Employees should use this information only as a supplement to other information supplied by them.

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