SAFETY DATA SHEET

Chemical Product and Company Information

Section 1

80 Northwest Blvd. Nashua, NH 03063

(800) 225-3739

CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory use only. Not for drug, food or household use.

Product BENEDICT'S QUANTITATIVE SOLUTION

Synonyms Benedict's Sugar Test Reagent

Section 2 Hazards Identification Signal word: WARNING Precautionary statement: Pictograms: GHS09 P264: Wash hands thoroughly after handling. Target organs: Liver, Kidneys P273: Avoid release to the environment. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical attention. P332+P313: If skin irritation occurs: Get medical attention. P391: Collect spillage. **GHS Classification:** P501: Dispose of contents/container to a licensed chemical disposal agency in Skin irritation (Category 3) accordance with local/regional/national regulations. Eye irritation (Category 2B) Aquatic acute toxicity (Category 1) Aquatic chronic toxicity (Category 1) GHS Label information: Hazard statement: H316: Causes mild skin irritation. H320: Causes eye irritation. H410: Very toxic to aquatic life with long lasting effects.

Ca Prop 65 - This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 3	Composition / Information on Ingredients					
Chemical Name		CAS #	%	EINECS		
Water		7732-18-5	68.51%	231-791-2		
Sodium citrate		68-04-2	11.98%	200-675-3		
Sodium carbonate		497-19-8	10.23%	207-838-8		
Potassium thiocyana	ate	333-20-0	7.37%	206-370-1		
Cupric sulfate anhyc	Irous	7758-98-7	1.90%	231-847-6 (anhydrous)		
Potassium ferrocyar	nide	13943-58-3	0.01%	237-722-2		

Section 4 First Aid Measures

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: MAY BE HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: CAUSES MILD SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Use any media suitable for extinguishing supporting fire.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling & Storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances.

Section 8	Exposure Controls / Personal Pro	tection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Linits.	Copper, dusts and mists, as Cu	TWA: 1 mg/m ³	TWA: 1 mg/m ³	TWA: 1 mg/m ³

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator

Section 9							
	Physical & Chemical	Properties					
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Section 10	Stability & Reactivity						
Chemical stability: Conditions to avoid	Stable d: Avoid excessive tempera		us polymerization: V aporation.	/ill not occur.			
incompatible mater	rials: Strong acids and oxid	dizers.					
Hazardous decomp	oosition products: Sulfur o	oxides, nitrous oxides,	carbon oxides, cyanide	es and copper fumes	i.		
Section 11	Toxicological Informa	ation					
Carcinogenity: Da NTP: No componen IARC: No componen OSHA: No compone Reproductive toxic STOT-single expos STOT-repeated exp Aspiration hazard: Potential health eff	t of this product present at l nt of this product present at ent of this product present a sity: Data not available sure: Data not available Dosure: Data not available Data not available	levels greater than or at levels greater than o	equal to 0.1% is identi	fied as probable, po	ssible or confir	med human carcin	• •
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.