

Material Safety Data Sheet

Section 1: Company and Product Identification

ScholarTM
Chemistry

(866) 260-0501

Manufactured by:
Columbus Chemical Industries, Inc.
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24 HOUR EMERGENCY ASSISTANCE CHEMTREC 800-424-9300		
HAZARD RATING		
4- EXTREME	HEALTH	2
3- SEVERE		
2- MODERATE	FLAMMABILITY	0
1- SLIGHT		
0- MINIMAL	REACTIVITY	0

Product Name Benedict's Qualitative Solution

Material Uses Not available.

Product No. 9404104

Synonyms Not available.

CAS Mixture

Formula Not available.

Section 2: Hazardous Ingredients

Product Name	CAS	Conc (%)	PIN
1) Sodium citrate	6132-04-3	10-30	N/A
2) Sodium carbonate monohydrated	5968-11-6	5-10	N/A
3) Cupric sulfate*	7758-98-7	1-5	N/A

For Exposure Limits (TLV, PEL), LD50 and LC50 see section 5 of this document.

* Chemical subject to the reporting of SARA Title III.

Section 3: Physical Data

Appearance	Liquid.	Odor Threshold	Not available.
Color	Blue.	Vapor Pressure	Not available.
Odor	Not available.	Evaporation Rate (Reference solvent)	Not available.
Specific Gravity (Water = 1)	Not available.	Vapor Density (Air = 1)	Not available.
Melting Point	Not available.	Percent Volatile by Volume	Not available.
Boiling Point	Not available.	pH (1% water soln)	Not available.
Water/Oil Dist. Coeff.	Not available.	Solubility	Easily soluble in cold water, hot water.

Section 4: Fire and Explosion Hazard Data

Flash Point (Methods)	Not applicable.	Autoignition Temp.	Not applicable.
Flammable Limits in Air by Volume	Not applicable.		
Flammability	Not applicable.		

Explosion Hazard Not available.

Haz. Comb. Prod. Fumes of cyanide may be released when heated to decomposition.

**Means of
Extinction** Use extinguishing media suitable for surrounding materials.

Special Fire Fighting Procedures

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Unusual Fire and Explosion Hazards

Not available.

Section 5: Health Hazard Data

Exposure Limits Not available.
(P.E.L., TLV, etc.)

Acute Effects Irritates skin, mucous membranes, nose and throat.

Routes of Entry Eye contact. Inhalation. LD50/LC50 LD50: Not available.
LC50: Not available.

Effects of Overexposure

Repeated or prolonged exposure is not known to aggravate medical condition.

Emergency and First Aid Procedures

SKIN: Wash contaminated skin with soap and water. EYES: Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention. INHALATION: Move exposed person to fresh air. If irritation persists, get medical attention. INGESTION: If affected person is conscious, give plenty of water to drink. Induce vomiting by touching the back of throat with fingers. Seek medical attention.

Section 6: Reactivity Data

Stability The product is stable. **Instability Temp.** Not available.

Incompatibility Reactive with reducing agents, alkalis. Slightly reactive to reactive with oxidizing agents.

Degradation Prod. Not available. **Hazardous polymerization?**
Will not occur.

Materials to Avoid Not available.

Section 7: Spill or Leak Procedures

Spill Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Disposal Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 8: Protection Equipment Information

Equipment Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**Engineering
Controls** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Section 9: Other Information

Special Precautions Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 4).

Read label on container before using. Do not wear contact lenses when working with chemicals.

Verified by S. Quandt

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