

1. Identification

Product Code CB2050-24

Product Name **BENEDICT'S REAGENT
(QUALITATIVE)**

CAS Number Mixture

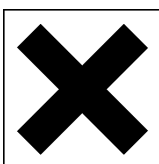
Supplier:  **BEECROFT & PARTNERS**
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Rotherham
South Yorkshire

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(Have this document to hand)

2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Cupric sulphate	7758-98-7	231-847-6	2.0%	Xn : R22,R36/38,R50/53	N/A
tri-SODIUM CITRATE 2H2O pure	6132-04-3	200-675-3	17.5%	Xn :	N/A
Sodium carbonate	497-19-8	207-838-8	27.0%	Xn : R36	N/A

3. Hazards Identification

Harmful if swallowed.

Main health hazard is through ingestion of the liquid.

4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open.
Unless contact has been slight OBTAIN MEDICAL ATTENTION

Skin Wash off skin thoroughly with water. If irritation persists or there is any sign of skin damage, seek IMMEDIATE MEDICAL ASSISTANCE

Inhalation Remove from exposure.

Ingestion Wash out the patients mouth thoroughly with water. OBTAIN MEDICAL ATTENTION.

5. Fire Fighting Measures

Hazards Presents no specific fire danger.

Extinguishing Media Consider what other flammable materials are present and act accordingly.

Unsuitable Media Nothing specified.

6. Accidental Release Measures

Personal Protection Use approved personal protective equipment. Evacuate area immediately. Do not allow general use of area until it is safe to do so.

Enviromental Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.

6. Accidental Release Measures (continued)

Major Spillage	Contain and absorb on inert material. Transfer absorbent to salvage container for removal. Wash area down with copious amounts of water.
Minor Spillage	Wash area down with copious amounts of water.

7. Storage & Handling

Handling Precautions	No specific precautions.
	No specific precautions.
Storage Conditions	Well ventilated, cool, dry storage .

8.1 Occupational Exposure Limits

No prescribed exposure limits available

8.2 Personal Protection

Respiratory	Presents no significant inhalation health hazard.
Hands	Use nitrile gloves or PVC gauntlets.
Eyes	Use chemical splash proof glasses or goggles.
Skin	If skin contact or contamination of clothing is likely, protective clothing must be worn.

9. Physical & Chemical Properties

Appearance	Deep blue clear solution.
Odour	Odourless.
pH	11 @ 20 °C
Boiling point	C
Melting point	Not available
Flash point	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	No.
Oxidising Properties	No.
Vapour Pressure	N/A
Relative Density	1.1700
Water Solubility	Completely soluble in water.

10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	No specific materials to avoid.
Materials to Avoid	No specific conditions.
Hazardous Decomposition Products	May produce hazardous fumes if involved in a fire.

11. Toxicological Information

Eyes	The liquid and solutions will be irritating to the eyes.
Skin	The liquid is mildly irritating to the skin.
LD50 Skin	Not available
Ingest	Harmful if swallowed.
LD50 Ingest	Not available
Inhalation	Presents no significant health hazard by inhalation.

11. Toxicological Information (continued)

Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.

12. Ecological

Copper salts are harmful to the environment.

13. Disposal Considerations

Disposal Methods	Flush to drain.
Contaminated Packaging	Wash out containers with water. Use a licensed waste disposer.

14. Transport Information

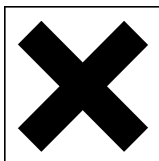
Proper Shipping Name	Non-restricted
UN Number	Non-restricted
UN Classification	None
Subsidiary Risk	None
Flash Point	Not available
Packing Group	None
Marine pollutant	No
ADR Hazard ID	Non-restricted

15. Regulatory Information

Labelling	Harmful.
Classification	

Label Symbols

Xn



Risk & safety Phrases	Harmful if swallowed. Avoid contact with eyes.
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EEC Number	Not available
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16. Other Information

Document Information	This document has been prepared in accordance with directive 88/379/EEC. The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. Revision Date: 22/08/00. Data reviewed and PDF file generated: 07/06/04. Copyright 2004 Beecroft & Partners.
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