

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING	
1.1 Product Identifier	
Product Name	Copper Reagent
Catalogue Number	GLAU513, GL533CU, GL543CU, GL553CU, GL563CU, GLM503
1.2 Relevant identified uses of the substance or mixture and uses advised against	For Professional Use Only. In Vitro Diagnostics. Do not pipette by mouth. Handle in accordance with Good Laboratory Practice.
1.3 Details of the supplier of the safety data sheet	
Company	Glenbio Ltd. 10 Kilbegs Road, Antrim, Co. Antrim, BT411 4NN, United Kingdom
Telephone	+44(0)28 79659842
Fax	+44(0)28 79659842
Email Address	info@glenbio.com
Website	www.glenbio.com
1.4 Emergency Telephone Number	
Emergency Phone Number	+44(0)28 79639204 (GMT, English spoken, Mon - Fri. 09.00-17.00). Your Local Poison Information Centre.

2. HAZARDS IDENTIFICATION	
2.1 Classification of the substance or mixture	Not a hazardous substance or mixture according to Regulation (EC) No. 1272:2008.
2.2 Label Elements	
Pictogram	N/A
Single Word	N/A
Hazard Statements	N/A
Precautionary Statements	N/A
Supplemental Hazard Statements	N/A
2.3 Other Hazards	N/A

3. COMPOSITION / INFORMATION ON INGREDIENTS	
3.1 Substances	N/A
3.2 Mixtures	Characterisation: Aqueous Solution ("Monoreagent") consisting of:

Component	CAS No.	Concentration (mol/L)	Hazard Classification
Dibrom-Paesa	100743-65-5	0.02	N/A
Acetate Buffer	64-19-7	0.2	N/A

4. FIRST AID MEASURES

4.1 Description of First Aid Measures	
Inhalation	Provide fresh air, consult physician in case of symptoms.
Skin Contact	Remove contaminated clothing / shoes. Wash off skin thoroughly with soap and water.
Eye Contact	Flush eyes with plenty of water for 10 – 15 min, consult physician in case of symptoms.
Ingestion	Immediately rinse mouth, then drink plenty of water. Seek medical treatment in case of troubles.
4.2 Most important symptoms and effects, both acute and delayed	None determined.
4.3 Indication of any immediate medical attention and special treatment needed	Remove contaminated clothing. Call a trained first aid if available, or contact a physician. Do not leave patient unattended.

5. FIREFIGHTING MEASURES

5.1 Extinguishing Media	Product is not combustible. Extinguishing agents should therefore be selected as appropriate.
5.2 Special hazards arising from the substance or mixture	Not considered a fire hazard.
5.3 Advice for firefighters	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, protective equipment and emergency procedures	Wear Personal Protective Equipment (PPE) as indicated. Avoid physical contact with material and avoid aerosol inhalation. Wash hands thoroughly after handling.
6.2 Environmental Precautions	Do not allow product to enter drains. Dispose of according to local regulations. Local authorities should be advised if elevated spillages cannot be contained.
6.3 Methods and materials for containment and cleaning up	Absorb spill with inert material/sorbent. Decontaminate the spill site following standard procedures. Dispose of materials in accordance with all applicable federal, state, local and provincial environmental regulations, per section 13.
6.4 Reference to other sections	Refer to Sections 8 & 13.

7. HANDLING AND STORAGE	
7.1 Precautions for safe handling	Follow the general rules of Laboratory Practice. No other special requirements.
7.2 Conditions for safe storage, including any incompatibilities	Store tightly closed at temperatures between 4 - 22°C. We recommend refrigeration at 2 - 8°C. Protect from sunlight. Do not freeze.
7.3 Specific end users	For In Vitro Diagnostics Use.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION	
8.1 Control parameters	Contains no substances in concentrations with occupational exposure limit values.
8.2 Exposure Controls	
8.2.1 Engineering Controls	Ensure suitable ventilation.
8.2.2 Personal Protective Equipment	Wear protective gloves, safety glasses, protective suits/clothing, if necessary.
8.2.3 Environmental Exposure Controls	Local authorities would be advised if elevated spillages cannot be contained.

9. PHYSICAL & CHEMICAL PROPERTIES	
9.1 Information on basic physical and chemical properties	
Appearance	Liquid
Colour	Reddish
Odour	Slightly sour
Odour Threshold (ppm)	Not determined
pH	5.0
Melting Point / Freezing Point	Not determined
Initial boiling point and boiling range	Not determined
Flash Point (°C)	Not determined
Evaporation Rate	Not determined
Flammability (solid, gas)	Not determined
Upper/Lower flammability or explosive limits	Not determined
Vapour Pressure	Not determined
Relative Density	Not determined
Solubility(ies)	Fully miscible.
Partition Coefficient: (n-octanol/water)	Not determined

Auto ignition temperature (°C)	Not determined
Decomposition temperature (°C)	Not determined
Viscosity (mPa.s)	Not determined
Explosive Properties	Not determined
Oxidising Properties	Not determined
9.2 Other information	No Data Available

10. STABILITY & REACTIVITY	
10.1 Reactivity	No dangerous reaction known under conditions of normal use.
10.2 Chemical Stability	Stable under conditions of normal use.
10.3 Possibility of hazardous reactions	No data available
10.4 Conditions to avoid	Decomposition may occur after long exposure to light.
10.5 Incompatible materials	No data available
10.6 Hazardous decomposition products	No data available

11. TOXICOLOGY INFORMATION	
11.1 Information on toxicology effects	
Acute toxicity	No data available
Skin corrosion / Skin irritation	May be irritation at site of contact
Serious eye damage / eye irritation	May be irritation at site of contact
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity (STOT)-single exposure	No data available
Specific target organ toxicity (STOT)-repeated exposure	No data available
Aspiration hazard	No data available
Additional information	No data available

12. ECOLOGICAL INFORMATION	
12.1 Toxicity	Not determined
12.2 Persistence and degradability	Not determined
12.3 Bioaccumulative potential	Not determined
12.4 Mobility in soil	Not determined
12.5 Results of PBT (Persistent, Bioaccumulative and Toxic) and vPvB (very Persistent and very Bioaccumulative) assessment	Not determined
12.6 Other adverse effects	Not determined

13. DISPOSAL CONSIDERATIONS	
13.1 Waste Treatment Methods	Dispose of any unused product, spilled material and waste in accordance with all applicable federal, state, local and provincial environmental and hazardous waste regulations.
Additional Information	Not determined

14. TRANSPORT INFORMATION	
14.1 UN Number	N/A
14.2 UN Proper Shipping Name	Not determined
14.3 Transport Hazard Class(es)	N/A
14.4 Packing Group	N/A
14.5 Environmental Hazards	Not determined
14.6 Special Precautions for user	See Section 7
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	N/A
Remarks	N/A

15. REGULATORY INFORMATION	
15.1 Safety, Health and Environmental Regulations / Legislation specific for the substance or mixture	This safety data sheet complies with the requirements of EU Regulations 1907/2006 (REACH), 1272/2008 (CLP) and 453/2010.
15.2 Chemical Safety Assessment	A chemical safety assessment was not carried out for this product.

16. OTHER INFORMATION

The information provided herein is believed to be correct as of the date hereof but does not purport to be all-inclusive and shall be used only as a guide. The information present in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The recipient of our products is responsible for observing any National Laws and guidelines applicable.

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