



SAFETY DATA SHEET A2101C20

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name: CLINITEST Reagent Tablets

Product Number: A2101C20

Date Prepared: 4/25/2005

Revision Number: 2

Recommended Use: In vitro diagnostic reagent

2. COMPOSITION/INFORMATION ON INGREDIENTS

<i>CAS-No./EINECS-No.</i>	<i>Chemical Name</i>	<i>Amount</i>	<i>EU Classification (67/548/EEC):</i>
1310-73-2 / 215-185-5	Sodium Hydroxide	35%	C, R35
7758-98-7 / 231-847-6	Copper Sulfate	3%	N, Xi, Xn, R22, R36/38, R50/53

See Section 16 for further information on EU Classification.

3. HAZARDS IDENTIFICATION

Man: Corrosive, when wet or dissolved can cause burns to the eyes and skin. Clinitest tablets are highly sensitive to moisture from air or water. Moisture may cause a chemical reaction and the glass bottle could explode.

Environment: None determined.

EU Classification (1999/45/EC): C - Corrosive

EU Risk and Safety Phrases: R35, S1/2, S26, S36/37/39, S45

4. FIRST AID MEASURES

Emergency First Aid Procedures: Call a physician immediately. Arrange for transport to the nearest ER (emergency room).

While awaiting the physician or transport to the ER:



Inhalation: If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

Ingestion: If the patient is conscious, wash out mouth with water, give one or two glasses of water or milk to dilute immediately. Do not induce vomiting. Get immediate medical attention.

Skin Contact: Take off all contaminated clothing immediately. Wash off immediately with plenty of water for at least 15 minutes. Get prompt medical attention. Wash contaminated clothing before re-use.

Eye Contact: In case of eye contact immediately flush eyes with copious amounts of water for at least 15-20 minutes. Transport to hospital for further medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Carbon dioxide preferred on small fire in surrounding area. Water on tablets will cause a chemical reaction.

Special Fire Fighting Procedures: It is always best to wear a self-contained breathing apparatus. Wet tablets are corrosive! Prevent contact with eyes, skin and clothing.

Unusual Fire and Explosion Hazards: Exposed tablets contacted with water could generate sufficient heat to ignite surrounding combustible material.

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled: Use personal protective equipment. Take up spilled tablets and dissolve one at a time in an open container. Caution! Resulting solution will be very caustic. Handle as a concentrated solution of sodium hydroxide. Wipe up area with a damp paper towel and discard.

7. HANDLING AND STORAGE

Store at temperatures and conditions as indicated on the product label. Keep container tightly closed. Moisture may cause a chemical reaction and the glass bottle could explode.

Corrosive! Prevent contact with eyes, skin and clothing. Keep tablets dry. Tablets are sensitive to moisture from air or water.



8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<i>Chemical Name</i>	<i>Exposure Limit(s)</i>
Sodium Hydroxide	2 mg/m ³ PEL-TWA 2 mg/m ³ TLV-Ceiling
Copper Sulfate	1 mg/m ³ PEL-TWA (Cu) 1 mg/m ³ TLV-TWA (Cu)

Ventilation: Use general room ventilation.

Respiratory Equipment: None required.

Protective Gloves: Standard laboratory chemical rubber or latex gloves.

Eye Protection: Chemical safety goggles and / or face shield recommended. Contact lenses should not be worn in the laboratory.

Other Protective Equipment/Clothing: A laboratory coat or apron is suggested.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor: Blue tablet

pH: Very caustic when wet.

Specific Gravity (H₂O=1): N/D

Boiling Point (F): N/A

Melting Point (F): N/A

Vapor Pressure: N/A

Evaporation Rate: N/A

Solubility in Water: Soluble

Flash Point (Method Used): None

Flammable Limits: LEL: Not Applicable UEL: Not Applicable

N/A = Not Applicable N/D = Not Determined

10. STABILITY AND REACTIVITY

Stability: Stable



Conditions to Avoid: Stable if kept dry. Moisture will start a chemical reaction which will release gas and heat.

Substances to Avoid: Avoid accidental contact with moisture or heat. Avoid strong acids, organic halogens and metals.

Hazardous Decomposition Products: Decomposition in water will produce a caustic solution and heat.

Hazardous Polymerization: Will Not Occur

11. TOXICOLOGICAL INFORMATION

Chronic Effects of Overexposure: Repeated contact with dilute sodium hydroxide solutions may cause dermatitis.

Carcinogen or Suspected Carcinogen: None of the components are listed as a carcinogen or suspected carcinogen.

Medical Conditions Aggravated by Exposure: Pre-existing skin diseases and conditions.

Acute Toxicity:

Inhalation: Corrosive! Inhalation of mists may cause severe respiratory irritation with possible pulmonary edema.

Ingestion: Corrosive! Swallowing may cause gastrointestinal burns and damage.

Skin Contact: Corrosive! Contact may cause chemical burns and tissue destruction.

Eye Contact: Corrosive! May cause chemical burns and possible blindness.

Acute Toxicity Values: Sodium Hydroxide: LD50 oral rat:140-340 mg/kg

Copper Sulfate: LD50 oral rat: 300 mg/kg

12. ECOLOGICAL INFORMATION

Ecological effects of this mixture have not been determined.

This product contains 3% copper sulfate which has been known to harm aquatic plants. The reported EC10 *Salmo gairdneri* (rainbow trout embryo, larvae) 16.5 ug/L/28 days.; death and deformity.

13. DISPOSAL CONSIDERATIONS

Primary Container Type: The product container is glass or plastic.

Waste Disposal Method: Each disposal facility must determine proper disposal methods to comply with Local, State and Federal Environmental Regulations.



14. TRANSPORT INFORMATION

Proper Shipping Name: Sodium Hydroxide, Solid

Technical Name:

UN Number: UN1823

Hazard Class and Packaging Group: 8, II

Label(s): Corrosive

Packing Instruction (Passenger Aircraft): IATA 814

Packing Instruction (Cargo Aircraft): IATA 816

Unit Volume: 100 Tablets

Primary Container Type: Plastic or glass

Sales Unit: 1 bottle

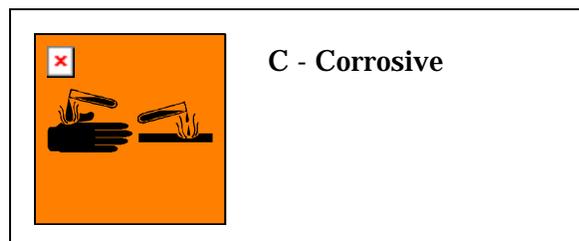
15. REGULATORY INFORMATION

SARA 311/312: Hazard categories for SARA Section 311/312 Reporting:
Acute Health

SARA 313 This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under the SARA Section 313 (40 CFR 372): Copper Compounds 3% (Copper Sulfate)

Canadian WHMIS Classification: Medical Devices are Exempt from WHMIS

EU Classification (1999/45/EC):



EU Risk and Safety Phrases: R35 - Causes severe burns.

S 1/2 - Keep locked-up and out of reach of children.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.



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S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. OTHER INFORMATION

HMIS Hazard Rating	
Health:	2
Fire:	0
Reactivity:	2
Personal	B
Protection:	

4 Severe Hazard
3 Serious Hazard
2 Moderate Hazard
1 Slight Hazard
0 Minimal Hazard
* An asterisk indicates significant chronic health effects

EU Classes and Risk Phrases for Reference (See Sections 2 and 3):

C - Corrosive

N - Dangerous for the environment

Xi - Irritant

Xn - Harmful

R22 - Harmful if swallowed.

R35 - Causes severe burns.

R36/38 - Irritating to eyes and skin.

R50/53 - Very toxic to aquatic organisms, may cause long-term effects in the aquatic environment.

Reason for Revision: Revisions to section(s) 1,2,3,8,9,16

Prepared by: HES Department

The opinions expressed herein are those of qualified experts within Bayer Corporation. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of the product are not within the control of Bayer Corporation, it is the users' obligation to assure safe use of the product.